20031229.qrp v03_n149.qrl.20031229

Date: Mon, 29 Dec 2003 19:03:13 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 3149

QRP-L Digest 3149

Topics covered in this issue include:

  1) [163977] Wanted: LDG RT-11 ATU
     by "Alan Fryer" <N3BJ@hotmail.com>
  2) [163978] Re: QRP-L digest 3147
     by John Sielke <jsielke@pobox.com>
  3) [163979] Re: 10.104
     by John Oppenheimer <kn5l@gte.net>
  4) [163980] Re: Frustrated Ham has idea?
     by Bruce Muscolino <w6toy@erols.com>
  5) [163981] RE: 10.104
     by "Emmersome Bigguns" <n8ie@woh.rr.com>
  6) [163982] Re: Frustrated Ham has idea?
     by "Lee Bahr" <pulsarxp@earthlink.net>
  7) [163983] Re: Basic Keyer
     by Rick McKee <kc8aon@juno.com>
  8) [163984] Just worked W1AW on 14059.37 KHz...
     by <bill@n4qa.com>
  9) [163985] K1 vs Wilderness Sierra
     by "Tim Kass" <timkass@hotmail.com>
 10) [163986] 160m Stu Perry Top Band DX Challenge
     by Chuck Carpenter <w5usj@9plus.net>
 11) [163987] Re: eBay AT Sprint
     by Lee Mairs <lmairs@direcway.com>
 12) [163988] Web Site Update.
     by "Ray Goff" <radioham@gmx.co.uk>
 13) [163989] SMA to BNC
     by "John LeRoy" <w4jkl@qsl.net>
 14) [163990] Re: QRP-L digest 3147
     by w5xe@juno.com
 15) [163991] Re: QRP-L digest 3147
     by Steve Smith <sigcom@juno.com>
 16) [163992] FT-243 Question tips
     by Chuck Adams <k7qo@commspeed.net>
 17) [163993] URL correction
     by Chuck Adams <k7qo@commspeed.net>
 18) [163994] Nil Sigs
     by Wayne Rogers <w5kdj@juno.com>
 19) [163995] SWAP?

by "john gabbard" <johngabbard@usintouch.com>
20) [163996] Re: Frustrated!
by Donald E Sanders <w4bws@juno.com>
21) [163997] Wow
by "Rob Matherly" <jimrob@jetnetinc.net>
22) [163998] Holiday Mw Contest
by W2AGN <jsielke@pobox.com>
23) [163999] Re: [fpqrp] Wow
by "Rob Matherly" <jimrob@jetnetinc.net>
24) [164000] MPLAB CDs for Elmer 160 Still Available
by "Brian Riley (maillist)" <n1bq_list@wulfden.org>
25) [164001] Re: Frustrated Ham has idea
by "James R. Duffey" <JamesDuffey@comcast.net>
26) [164002] J-37 Key is spoken for
by "Jim Sheldon" <w0eb@cox.net>
27) [164003] Re: Ultimatic Iambic mode not extinct
by w9ya <w9ya@arrl.net>
28) [164004] 160 Sunday nite?
by "sslyon" <sslyon@megalink.net>
29) [164005] I had a great QRP weekend running 50 watts
by "Andy Palm" <acpalm@concentric.net>
30) [164006] Milliwatt Contest de AL7FS
by Jim Larsen <JimLarsen2002@alaska.net>
31) [164007] Re: Frustrated Ham has idea
by Bruce Muscolino <w6toy@erols.com>
32) [164008] Computer CW program
by "Donn" <dkuse@suwanneevalley.net>
33) [164009] Flying Pig QRP Club Net
by "Brian Murrey" <brian@iquest.net>
34) [164010] Re: Frustrated Ham has idea
by "James R. Duffey" <JamesDuffey@comcast.net>
35) [164011] Re: Solving the wall wart dilemma
by Lee Mairs <lmairs@direcway.com>
36) [164012] TDA7052 OR NTE-7051
by "Howard Rubin" <hrubin1970@comcast.net>
37) [164013] Elmer 160 lesson 5
by Jean Jibouleau <jiboulj@globetrotter.net>
38) [164014] Lacquer and the paddls kit.
by Lee Mairs <lmairs@direcway.com>
39) [164015] Re: 10.104
by "Patrick Schwarz - KB8RTZ" <kb8rtz@comcast.net>
40) [164016] Parts for Sale
by "Brian Murrey" <brian@iquest.net>
41) [164017] Re: 10.104
by Bob Nielsen <nielsen@oz.net>
42) [164018] Re: 10.104
by w5xe@juno.com
43) [164019] Re: Lacquer and the paddls kit.

    by Dale Botkin <dale@botkin.org>
44) [164020] Re: Frustrated Ham has idea
    by "Lew Paceley" <lew@paceley.com>
45) [164021] Glowbugs contest tomorrow night!
    by "Conard Murray" <ws4s@charter.net>
46) [164022] Re: Frustrated Ham has idea
    by "James R. Duffey" <JamesDuffey@comcast.net>
47) [164023] Re: Parts for Sale
    by "Brian Murrey" <brian@iquest.net>
48) [164024] Re: URL correction
    by Peter Burbank <peterlee@qx.net>
49) [164025] Holiday Milliwatt Contest - W0PWE
    by "Jerry Hall" <lugehall@hotmail.com>
50) [164026] Re: Miniboots Amplifier
    by "Bill Linn" <wlinn@smgazette.com>
51) [164027] Re: Frustrated Ham has idea?
    by ham@w3eax.umd.edu
52) [164028] Echolik *QRP* conference back online
    by Mr Mike Caughran <kl7r@yahoo.com>
53) [164029] re: wow
    by Mr Mike Caughran <kl7r@yahoo.com>
54) [164030] Re: Wow
    by WJuergens@t-online.de (Wolf-Ruediger Juergens)
55) [164031] [OT] Hint for creating URLs
    by Chuck Adams <k7qo@commspeed.net>
56) [164032] Fox: N7CQR log 12/24
    by Dan Presley <dpresley1@comcast.net>
57) [164033] Re: URL correction
    by Hank Kohl K8DD <k8dd@arrl.net>
58) [164034] Elmer 160: More data
    by "John J. McDonough" <wb8rcr@arrl.net>
59) [164035] Re: Holiday Milliwatt Contest - W0PWE
    by John Sielke <jsielke@pobox.com>
60) [164036] VX5-R Question
    by Ed Lawson <k1vp@grizzy.com>
61) [164037] Re: Frustrated Ham has idea?
    by w9ya <w9ya@arrl.net>
62) [164038] Re: [OT] Hint for creating URLs
    by w9ya <w9ya@arrl.net>
63) [164039] Red Hot 20 Finished
    by "Paul J Mackanos, Jr." <paul@prohomeinspector.net>
64) [164040] Eudora manual
    by Gary Harrison <garyk0bc@alltel.net>
65) [164041] St. Louis Loop (SLL) Info?
    by bert.matthies@t-online.de (Bert Matthies)
66) [164042] Power Connectors
    by Peter Burbank <peterlee@qx.net>
67) [164043] AZ paddles, best laquer?

    by "Rod N0RC" <rc7039-hr@yahoo.com>
 68) [164044] Re: Tenna Dipper Question
    by <k6whp@verizon.net>
 69) [164045] BHI DSP module
    by Kenneth Cooperstein <cprstn54@att.net>
 70) [164046] Re: Red Hot 20 Finished
    by "sslyon" <sslyon@megalink.net>
 71) [164047] RE: BHI DSP module
    by "Lyle Johnson" <wa7gxd@fidalgo.net>
 72) [164048] Re: 160 Sunday nite?
    by Steve Yates <aa5tb@arrl.net>
 73) [164049] FOX: Last Fox Hunt of the year
    by Pat Cain <k0pc@mchsi.com>
 74) [164050] AmQRP News Brief
    by "George Heron N2APB" <n2apb@clearviewcatv.net>
 75) [164051] Re: AZ paddles, best laquer?
    by <igeq100@iupui.edu>
 76) [164052] Re: Computer CW program
    by "Howard" <wa2afd@hotmail.com>
 77) [164053] FT-817 or K1-4
    by "Brad Hedges" <bhedges@nc.rr.com>
 78) [164054] Re: FT-817 or K1-4
    by "Mike WA8BXN" <hubby2k@hotmail.com>
 79) [164055] Day 2 MW Holiday Test
    by John Sielke <jsielke@pobox.com>
 80) [164056] FS: QRP Publications
    by Frank Milos <no1e@comcast.net>
 81) [164057] Need SM 5V regulator for dead FT-817
    by "Mike Mullins" <mmullins_9999@hotmail.com>
 82) [164058] FS: Atlanticon 2003 Proceedings
    by "Michael Bower N4NMR" <bowerm@ix.netcom.com>
 83) [164059] Re: HAM Publications
    by "Joe Spencer" <kk5na@kk5na.com>
 84) [164060] Balun core number system
    by "Sverre Holm" <svholm2@broadpark.no>

Date: Sun, 28 Dec 2003 10:09:24 -0500
From: "Alan Fryer" <N3BJ@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [163977] Wanted: LDG RT-11 ATU
Message-ID: <LAW9-OE48Foai8XKPl50000b173@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Wanted: LDG RT-11 Remote ATU.

Wonder if anyone on the list might have one that is surplus to their needs ?
Outright purchase OK or may have some QRP stuff for trade.

Alan, N3BJ
Bent Mountain, VA

Date: Sun, 28 Dec 2003 10:11:20 -0500
From: John Sielke <jsielke@pobox.com>
To: qrp-l@lehigh.edu
Subject: [163978] Re: QRP-L digest 3147
Message-ID: <3FEEF298.8090004@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

> Gang,
> Please excuse me if this has been addressed before or if it falls into the
> "stupid" category. Will the AmQRP crystals shown in the ref website work in
> boatanchor rigs (like the Heath AT-1, Viking Adventurer, etc.)? If so,
> would it be possible to physically mount the entire AmQRP crystal in an
> empty FT-243 crystal holder which would make it more compatible with the BA
> stuff. Has anyone done this and if so, shed any tips on the process?
>
> Thanks for reading..
> Tony, W4FOA

Tony, the little HC-49 crystals WILL self-destruct in most BA rigs. I
bought a "FT-342" crystal on eBay a year or so ago. It quit rather
quickly in my TBS-50D. Opened it up, and it was an HC49, soldered to the
FT-243 pins.

I have used them with no trouble in my HW-16.

John W2AGN

Date: Sun, 28 Dec 2003 09:12:33 -0600
From: John Oppenheimer <kn5l@gte.net>
To: unlisted-recipients:; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [163979] Re: 10.104
Message-ID: <3FEEF2E1.56EAD13E@gte.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

S9, with deep fades here near Dallas, TX at 15:11 on Sunday

John

Tom Sevart wrote:
>
> --- "Fred (VE3FAL)" <flesnick@tbaytel.net> wrote:
> > It is Saturday at 15:05z and the signal is still
> > present and a solid
> > S-7...
>
> It's S7 with deep fades here in SE Kansas at 1430.
>
> =====
> Tom Sevart N2UHC
> http://www.geocities.com/n2uhc

Date: Sun, 28 Dec 2003 10:07:49 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: w5yr@att.net, qrp-l@lehigh.edu
Subject: [163980] Re: Frustrated Ham has idea?
Message-ID: <3FEEF1C5.79378163@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

George,

The quotee is me. This is a concept I probably knew since ,y college days back in the 60's. HOwever I never had a course in HF antennas we mostly studied microwaves. The odd point here is that it is true there too.

What prompted my statement is the noticeably trend of ow members to talk about, and try different single wire antennas expecting great improvements And then they are disappointed by the results they get.

There is no difference in any single wire antennas when erected in he same place and operated at the natural resonant frequency. At non resonant frequencies there may be some differences but, for examine, three is no pattern difference between a dipole fed by coax, or a dipole fed by twin or open wire feeders, or a windom, or a G5RV, or anything

else.

Passive antennas, and that's all we work with DO NOT have the capability to generate any power. They simply radiate the power they are fed by the feed line.

Where do the great gain numbers associated with beams come from? They come about from pattern shaping. The yagi is designed to radiate in only ONE direction. The physical and electrical design is such that signal reinforcement occurs from signal REFLECTED by the reflector and added to the signal present at the driven element and again reinforced by the directors. But the beam set to radiate at say, 90 degrees. There is subanstiall less energy radiated at 270 degrees (front to back ratio) or at 0 degrees and 180 degrees (side lobe repression). But the yagi generates it extra gain because of its additional elements and geometry. It actively adds no energy.

But here we are talking about improving a single wire antenna. Right now it is an 80 meter inverted configuration. It is fed with twin lead so it can be used an multiple frequencies. It's radiation is apparently poor so the owner wants to replace it with another antenna, maybe a G5RV, oe replace it with a vertical.

Neither of these antennas will result in a stronger signal for our user. They cant, they are simple passive antennas. They can't increase his signal radiation. They may, reduce his radiation level at some frequencies. I agree there may be pattern lobe differences at non resonant frequencies, but those are likely to be minor directional differences but no real radiation differences.

Now, if he has the money, space, and inclination to replace (or augment) his antenna arsenal with a yagi stucture for the higher frequency bands, he will have DIRECTIONAL gain that will help his radiated signal. But yagi's come at a high cost.

There is another alternate to improve radiation at low frequencies the wrier beam. Joel Dennison has quite a bit of experience with them. He has his wire antenna(s) located in a place where they are high. In addition he has sufficient space on both sides of the main antenna where he has installed passive reflectors or directors. These additional elements do add to the radiated signal (passively of course), but at the expense of high real estate costs and radiation direction.

This is why I recommended he consider any sources of loss in his current antenna. If he finds no loss sources, he needs to look at other things, like how to actually work DX. Just because he can hear DX stations does not mean he can work them. If he has proof that he can work the distance, i.e. he can work the corners of the YS from his QTH, he can

work DX if he is in the right place at the right time. Patience has
worked more states and countries than almost any other way.

Bruce

Date: Sun, 28 Dec 2003 10:23:09 -0500
From: "Emmersome Bigguns" <n8ie@woh.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [163981] RE: 10.104
Message-ID: <MMEDLKDLONJOAIGICDJAIEENFEAA.n8ie@woh.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="Windows-1252"
Content-Transfer-Encoding: 7bit

It's a solid s7 here in SW Ohio and very little fading.

72, oo
Dan, N8IE

-----Original Message-----
From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
Tom Sevart
Sent: Sunday, December 28, 2003 9:33 AM
To: Low Power Amateur Radio Discussion
Subject: Re: 10.104

--- "Fred (VE3FAL)" <flesnick@tbaytel.net> wrote:
> It is Saturday at 15:05z and the signal is still
> present and a solid
> S-7...

It's S7 with deep fades here in SE Kansas at 1430.

=====
Tom Sevart N2UHC
http://www.geocities.com/n2uhc

_____
Do you Yahoo!?
New Yahoo! Photos - easier uploading and sharing.

http://photos.yahoo.com/

Incoming mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.554 / Virus Database: 346 - Release Date: 12/20/2003

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.554 / Virus Database: 346 - Release Date: 12/20/2003

Date: Sun, 28 Dec 2003 09:23:43 -0600
From: "Lee Bahr" <pulsarxp@earthlink.net>
To: <k3ng@qrpis.org>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [163982] Re: Frustrated Ham has idea?
Message-ID: <002e01c3cd56$961a66a0$ba40993f@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I guess this means a 12 halfwave long wire has the same radiation pattern as a 1/2 wave long wire. It also means pumping a 28 Mhz signal into an 80 meter dipole has the same pattern as an 80 meter signal pumped into the same antenna! Apparantly the ARRL handbooks have been wrong all these years.
Lee, w0vt

> > You are missing one important concept; A WIRE ANTENNA IS JUST A WIRE
> > ANTENNA. This concept applies to any single wire antenna. A G5RV, a
> > Dipole fed with coax or open wire, a Windom, an Inverted V, an End fed
> > wire, are all the same. They have exactly the same pattern at any
> > frequency. The differences in them were all made to get a better feed
> > or feed point impedance.
>
> Really ? Try modeling all of these in Mininec. There's differences.
>
> >
> > Now, another heresy. All antennas have unity gain; ALL ANTENNAS,
> > including that 17 element beam.   The only way to get gain from an
> > antenna is to add elements that modify the pattern.
>
> Ummm, what ? A 17 element beam does have elements to modify the pattern

(a
> reflector and directors). And the only antenna that has unity gain is the
> theoretical isotropic antenna, or am I missing something ?
>
> > Oh, and BTW, a Vertical is no better than your wire. It has unity gain
> > and is omnidiectional.
>
> But a vertical can be better than a wire, depending on the radial system
of
> the vertical and what height the dipole is at. A vertical can have a
lower
> angle of radiation than a low wire antenna which would be better for DX.
> (I'm trying to follow the thread back, and I assume we are talking DX,
right
> ?)
>
> 72
> Goody
> K3NG
>

Date: Sun, 28 Dec 2003 10:26:53 -0500
From: Rick McKee <kc8aon@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [163983] Re: Basic Keyer
Message-ID: <20031228.103046.9494.0.kc8aon@juno.com>

For straight key mode on my SW - 20, SW - 30 & SW - 40, I just installed
a jack on each rig so that I can plug in a straight key direct to the rig
! That way, if the keyers I have installed in them goes out for some
reason while in the field, I can plug in my J-38 and stay on the air !

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl
SW-20+, SW-30+, SW-40+, Norcal BLT, Yaesu FT-7, Homebrew 6V6 tube TX
QRP-L #2112, FPqrp #33, AR QRP, AmQRP, Ohio Valley Fists, Zombie #718,
MQFD #1
For info on MQFD, go to: http://www.smartgroups.com/groups/mqfd
I'll give up CW & QRP when I'm dead !   MAYBE ! dididididadidah

_____
The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only $14.95/ month - visit www.juno.com to sign up today!

Date: Sun, 28 Dec 2003 10:48:24 -0500
From: <bill@n4qa.com>
To: <qrp-l@Lehigh.EDU>
Subject: [163984] Just worked W1AW on 14059.37 KHz...
Message-ID: <000701c3cd5a$08faa2e0$e226ad80@f1n5n8>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It's now 1548 UTC Sunday 28 Dec 2003.
Heard W1AW calling "CQ FISTS".
Mark is at the key.
I received RST 439 and W1AW was 599(natch) here.
I was running the DSW-20 at 1.5 Watts to the longwire.

73.
Bill, N4QA
http://www.n4qa.com

Date: Sun, 28 Dec 2003 10:55:23 -0500
From: "Tim Kass" <timkass@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [163985] K1 vs Wilderness Sierra
Message-ID: <BAY2-F14sqMaSORH9HW00001e4b@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hello group, Ive owned a Sierra for some time and was considering building
the K1 as well. I was wondering if folks that are familiar with both could
give me a run down on the receiver comparisons....there are parts of the
Sierra that I really like, wider tuning, variable selectivity, etc. thanks
in advance... Tim K8WBL

____
Working moms: Find helpful tips here on managing kids, home, work and
yourself. http://special.msn.com/msnbc/workingmom.armx

Date: Sun, 28 Dec 2003 10:24:34 -0600

From: Chuck Carpenter <w5usj@9plus.net>
To: sslyon@megalink.net,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [163986] 160m Stu Perry Top Band DX Challenge
Message-ID: <3.0.2.32.20031228102434.00849cf0@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Fun contest but didn't hear Seab...   [g]

With continuing holiday events, didn't have much time to work this one.
With my new 88 ft EDZ fed as a top-loaded long wire, results seemed much
better than previous years. Sat evening early I started with QRP and
worked 5 Qs in short order. Looked good for QRP activity but had to quit
for family gathering. When I got back a few hours later, the only Qs I
could make were at 5 W + 13 dB.

Figuring things would be better in the morning for QRP I closed things
down. This morning, QRP didn't do well either (no Qs in over 30 minutes @
5W) so the rest of the time was QRO. Worked a total of 53 Qs and 44 grids.
 Several on both coasts at about 1400 km and my personal best ever on 160
at any power level. Most likely the antenna was the limiting factor.
Gonna have to see if I can string a BIG loop through the (many many) trees
out here in the woods.

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, FP #601 oo http://www.netxqrp.org

----

Date: Sun, 28 Dec 2003 11:31:20 -0500
From: Lee Mairs <lmairs@direcway.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [163987] Re: eBay AT Sprint
Message-ID: <004101c3cd60$099b6800$3b6d020a@J4>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

I doubt it. The prices for the AT Sprints will tumble once old "Melt
Solder" gets the new AT Sprint II on line. I went about $50 higher than I
was happy with when I got caught up in the feeding frenzy on this one, but I
was well shy of the final price.

Speaking of whacko prices, I've been looking for an E.F. Johnson Navigator
to recreate my old novice station. Anybody got one hiding away in their

trash?
73 de Lee
KM4YY/8

----- Original Message -----
From: "W2AGN" <jsielke@pobox.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, December 28, 2003 8:35 AM
Subject: Re: eBay AT Sprint

> Yep, it went for $256.99! Wow! Did look like a nice job, though. In
> about 10 years, they'll be going for $500+ on eBay.
>
> John W2AGN
>

Date: Sun, 28 Dec 2003 16:51:48 -0000
From: "Ray Goff" <radioham@gmx.co.uk>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [163988] Web Site Update.
Message-ID: <FDEOKGEJJFNPABJIJGDDOEHNHCAA.radioham@gmx.co.uk>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi,

Best wishes for the Holidays to all!

Just to let you know that I have updated my web site with a new release of my Koch method Morse trainer and also added a Contest Trainer.

Some more new projects will be added to the site over the holidays.

72/73

Ray, G4FON
www.g4fon.co.uk

Date: Sun, 28 Dec 2003 12:19:55 -0500
From: "John LeRoy" <w4jkl@qsl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [163989] SMA to BNC
Message-ID: <009c01c3cd66$d02bde40$6401a8c0@amdbox>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Radio Works has SMA to BNC for $3.99.

Good prices on other adapters too.

73,
John W4JKL

Date: Sun, 28 Dec 2003 10:37:54 -0700
From: w5xe@juno.com
To: w4foa@comcast.net, qrp-L@lehigh.edu
Subject: [163990] Re: QRP-L digest 3147
Message-ID: <20031228.103755.-397653.1.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I think they fit better in the FT-241 holder in
which I have mounted several of the hc49 type
crystals. I use mine in both the qrp version of
the HW-16 and a Knight T-60. Since the rigs you
mentioned are cathode keyed, you may want to
series a #47 bulb in the crystal circuit, or as Mike
Branca W3IRZ (SK) of the NoGaQRP group
mentioned - a 10 to 10k resistor. I used a 10k
in my T-60 which seems to work ok. Mike said
that he used a 10 ohm resistor which was enough
to remove the heat drift and no chirp.

73
Ray
"The more I see of the representatives of the people,
the more I admire my dogs." letter from Count d'Orsay
Ray Colbert, W5XE, OOTC#3618, SOWP#1064M NARTE-NCT2R
FP# 111, GQRP-6115,QRP-ARCI 5784, El Paso,(FAR WEST)TEXAS

Date: Sun, 28 Dec 2003 10:12:08 -0800
From: Steve Smith <sigcom@juno.com>
To: w4foa@comcast.net
Cc: qrp-l@Lehigh.EDU
Subject: [163991] Re: QRP-L digest 3147
Message-ID: <20031228.101209.-4023151.0.sigcom@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tony,

The answer is yes, maybe :-) . Some have reported no problems, others problems. The general consensus seems to be that rigs using an ECO (Grid-Plate) or Modified Pierce oscillator with either the 6AG7 or 6CL6 are a safe bet.   The NorCal and Expanded Spectrum Systems rocks are inexpensive enought that a "try it and see what happens" test is probably the best way to go.

Installing them into a FT-243 holder is fairly simple. On the crystals I modified, I hogged out the bakelite housing using a Dremel with a burr bit. Worked peachy.

Good luck,

73.......Steve Smith, WB6TNL/0 Hoxie, KS
           "Snort Rosin"

On Sun, 28 Dec 2003 08:23:56 -0600 "Tony Martin W4FOA" writes:

> Gang,
> Please excuse me if this has been addressed before or if it falls
> into the
> "stupid" category. Will the AmQRP crystals shown in the ref website
> work in
> boatanchor rigs (like the Heath AT-1, Viking Adventurer, etc.)? If
> so,
> would it be possible to physically mount the entire AmQRP crystal in
> an
> empty FT-243 crystal holder which would make it more compatible with
> the BA
> stuff. Has anyone done this and if so, shed any tips on the
> process?
>
> Thanks for reading..

> Tony, W4FOA
>

_____
The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only $14.95/ month - visit www.juno.com to sign up today!

Date: Sun, 28 Dec 2003 18:45:36 +0000
From: Chuck Adams <k7qo@commspeed.net>
To: w4foa@comcast.net,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [163992] FT-243 Question tips
Message-ID: <5.2.1.1.0.20031228181836.01dae068@mail.commspeed.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 08:23 AM 12/28/2003 -0600, Tony Martin W4FOA wrote:
>Gang,
>Please excuse me if this has been addressed before or if it falls into the
>"stupid" category. Will the AmQRP crystals shown in the ref website work in
>boatanchor rigs (like the Heath AT-1, Viking Adventurer, etc.)? If so,
>would it be possible to physically mount the entire AmQRP crystal in an
>empty FT-243 crystal holder which would make it more compatible with the BA
>stuff. Has anyone done this and if so, shed any tips on the process?
>
>Thanks for reading..
>Tony, W4FOA
>

Tony,

This is not a stupid question, but one that is not easily answered.

Due to the physical characteristics of quartz crystals and the size of the
crystal unit itself there are limits as to how much current they will handle.
In an oscillator circuit there is a current running through the crystal in
operation. The crystal unit is usually rated at some power level, say
5mW for the modern crystals. The older FT-243 crystals (I use the term
loosely in referring to the holder type) can handle much more current
through them. So several things can happen with the newer crystals
in old circuits.

It will work OK.

It will work, but the crystal will heat up and it will drift in frequency.

It will work, but only for a short period of time until the crystal will fail through several possible causes ---- fracture of the crystal being one.

So the easiest way is to experiment with your setup. Take notes and then write up an article on your findings and share it with others. The old Viking Adventurer was the first big kit I ever did. Spent many an hour on the air with it during the old Novice days. The crystal current may vary significantly between the rigs dependent upon power requirements of the rig and the type of oscillator circuit used, of course.

I spent several years of my undergraduate days at McMurry College in Abilene, TX working with Dr. Virgil E. Bottom, author of "Introduction to Quartz Crystal Unit Design" published by Van Nostrand Reinhold, for projects with Collins Radio, James Knight Co, and HP. This book is out of print and you will need to search in libraries and online to find a copy.

In the January 2004 issue of QST there is an article by Richard J. Thompson, Jr entitled "... And We Had Crystals". Thompson is current chair of the Department of Physics at McMurry College. The mathematics in the book will not be easy if you have not had some undergraduate physics and some advanced mathematics, but it would be worth the effort to work through the materials if you really want to know what's going on 'under the hood'.

Dr. Bottom passed way recently and he will be missed by all of us that worked with him and were students of his. I will always remember a lot of things that he said during classes and in casual conversations and from his writings. But one thing that he started that I wish some one had taken up when he gave it up. He had one of the original Ge transistors manufactured in the first batch by Motorola Corp. He made a single transistor AM receiver powered by a single AA battery on a breadboard. Fahnstock clips and all. He changed the battery every year and kept a note on the wooden board when this was done. He wanted to see how long the transistor would last, but he gave the project up when he moved to a retirement home. I'm sure any one of that were a student of his would have gladly taken on the project and passed it on to the next generation.

I know some of you still have CK722's and other old old transistors sitting in the itsy teensy weensy cardboard container on the shelf. Don't you think it needs to be put to work???? :-)

FYI

Chuck Adams K7QO k7qo@commspeed.net
http://www.qsl.net/k7qo CP-60

Moving to Arizona? Please bring your own water.

Date: Sun, 28 Dec 2003 18:50:54 +0000
From: Chuck Adams <k7qo@commspeed.net>
To: qrp-l@lehigh.edu
Subject: [163993] URL correction
Message-ID: <5.2.1.1.0.20031228184916.01dae2d8@mail.commspeed.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Sorry about that. What happens when you work late.

http://www.qsl.net/k7qo/xg1.html

One complaint that I have about Eudora is that when in
the composition mode it will high light the URL's, but it
won't bring up Netscape when I click on it like in the
incoming mode. May just have to email them on this
feature that would be nice to have.

Thanks for the notes gang,

dit dit

Chuck Adams K7QO   k7qo@commspeed.net
http://www.qsl.net/k7qo   CP-60

Moving to Arizona? Please bring your own water.

Date: Sun, 28 Dec 2003 12:55:38 -0600
From: Wayne Rogers <w5kdj@juno.com>
To: qrp-l@lehigh.EDU
Subject: [163994] Nil Sigs
Message-ID: <20031228.125540.-1764465.0.w5kdj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Guess there is no interest in the MW test today. I worked W2AGN, both of us running 50mw.
bands are open.

Wayne_W5KDJ
ex: SV0WWW_TF2WJN   CW only
ARS_1392   ARCI_11325 FP-626 e-QSL
FISTS_10060   SOC_538   HQRP   ARRL

Date: Sun, 28 Dec 2003 11:04:22 -0800
From: "john gabbard" <johngabbard@usintouch.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [163995] SWAP?
Message-ID: <000701c3cd75$67eb08b0$e2811c0c@john>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a nice QF1A audio filter that I dont use anymore ,works great.
   I would like to trade it for an unbuilt tranceiver kit of equal value ($40.00)...
    Thanks, John   KF7OM   73's..   Happy New Year!

Date: Sun, 28 Dec 2003 13:43:48 -0500
From: Donald E Sanders <w4bws@juno.com>
To: nr5a@rap.midco.net
Cc: qrp-l@Lehigh.EDU
Subject: [163996] Re: Frustrated!
Message-ID: <20031228.140702.-495899.0.w4bws@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I recommend the GAP vertical which I use here for 40 thru 6 meters.
Works great for dx and some local. I use it on 30 meters with the
matchbox. Otherwise I would recommend a 23 foot vertical which
will work as 1/4 wave on 30 and as 1/2 wave on 15. It will work
on all bands 40 thur 10 with a good matchbox. I have one made of
MS 115,116,117,118 sections from FAIR Radio fed with my ic-2
auto antenna tuner on the IC735 for all band receive and backup

transmitter to the qrp rigs whicch are on the GAP, loop and 88 ft dipole.
Don W4BWS
On Fri, 26 Dec 2003 12:55:46 -0700 "NR5A" <nr5a@rap.midco.net> writes:
> Last 2 mornings I've watched other stations working dx like crazy on
> 15m
> PSK, yet I can't even tell they are there!! My antenna is a 80m
> inverted
> vee with apex up 24ft and runs east to west more or less. Ok picture
> this,
> I'm on a 1/4 acre lot with no trees in my yard, well, I have 2 trees
> but I'm
> taller than they are. In the center of the lot is my mobile home. In
> the
> center of the mobile home and on the side of it is my 24ft pole. I
> would
> give up 80m since I never operate it. The 80m inverted vee works
> great on
> all bands except for dx, I can make all the state side contacts I
> want
> anytime, any band but not dx. hi I don't want the hassles or expense
> of a
> beam. I guess the only option is a vertical huh? Any ideas or
> sugguestions,
> or verticals for sale cheap? I'm so frustrated I really don't know
> why I
> wrote this. hi
>
> Jerry - NR5A - South Dakota
>
>
>

_____
The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only $14.95/ month - visit www.juno.com to sign up today!

Date: Sun, 28 Dec 2003 13:48:52 -0600
From: "Rob Matherly" <jimrob@jetnetinc.net>
To: <fpqrp-l@mpna.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [163997] Wow
Message-ID: <000b01c3cd7b$a56a8980$6811a541@yourxhtr8hvc4p>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Realizing I now have a computer with enough oomph and a full duplex soundcard capable of running a dsp program, I downloaded DSPfil from http://www.qsl.net/mmhamsoft.

After realizing it needed to have the audio ran to the mic port and not the line port, I had the proggy up and running. It made the loaner rig that has been in my possession far too long come alive! Certainly makes up for the lack of filtering aflicting the radio.

Anyone know of any other neat (and FREE!!) audio analysis programs I would find useful?

--
72/73/oo - Rob, W0JRM - jimrob@jetnetinc.net - ARRL MEMBER
FPQrp -330; QRPp-I #19; WATPK #1; SOC #442; ARS #1143
Are you a gun nut? http://groups.yahoo.com/group/gun_nut_hams
http://www.robmatherly.com <--- Not ham related!

Date: Sun, 28 Dec 2003 14:57:16 -0500
From: W2AGN <jsielke@pobox.com>
To: qrp-l@lehigh.edu
Subject: [163998] Holiday Mw Contest
Message-ID: <3FEF359C.38B8AC2D@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

After the terrific band conditions yesterday, thought the Mw Contest today would be a walk. Unfortunately, 10 has not opened. 15 was open a little, but lots of QSB. Worked W5KDJ and AC7A/5 with my old Argo 515 set to 50mw. I have an s9 QRN level right now on 20M, sounds like power line, but could be neighbor's Christams lights. Will be listening anyway.

Incudentally, posted some TT2/MRX40 pictures at http://w2agn.net/tunatin.html and my AZSQRpion paddles at http://w2agn.net/keys.html. I liked the way the paddles were grounded on that little thing so much I modified my old Norcal Paddles, which always drove me nuts, going intermittent. I used some small diameter solder wick braid, and grounded the paddles to the center block. What a difference!

John W2AGN

Date: Sun, 28 Dec 2003 14:03:20 -0600
From: "Rob Matherly" <jimrob@jetnetinc.net>
To: "Rob Matherly" <jimrob@jetnetinc.net>, <fpqrp-l@mpna.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [163999] Re: [fpqrp] Wow
Message-ID: <002901c3cd7d$a8450ed0$6811a541@yourxhtr8hvc4p>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just put this doohickey to the test - found a signal I could barely hear.
A signal so far below the mud it was shoulder to shoulder with T-Rex
fossils. A signal with so much static socks were sticking to it.

I'll be danged if this program didn't make it audible! I give it an A+!

--
72/73/oo - Rob, W0JRM - jimrob@jetnetinc.net - ARRL MEMBER
FPQrp -330; QRPp-I #19; WATPK #1; SOC #442; ARS #1143
Are you a gun nut? http://groups.yahoo.com/group/gun_nut_hams
http://www.robmatherly.com <--- Not ham related!

----- Original Message -----
From: "Rob Matherly" <jimrob@jetnetinc.net>
To: <fpqrp-l@mpna.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, December 28, 2003 1:48 PM
Subject: [fpqrp] Wow

> Realizing I now have a computer with enough oomph and a full duplex
> soundcard capable of running a dsp program, I downloaded DSPfil from
> http://www.qsl.net/mmhamsoft.
>
> After realizing it needed to have the audio ran to the mic port and not
the
> line port, I had the proggy up and running. It made the loaner rig that
has
> been in my possession far too long come alive! Certainly makes up for the
> lack of filtering aflicting the radio.
>
> Anyone know of any other neat (and FREE!!) audio analysis programs I would

> find useful?

Date: Sun, 28 Dec 2003 16:31:57 -0500
From: "Brian Riley (maillist)" <n1bq_list@wulfden.org>
To: QRPLINUX <qrplinux-l@lists.lehigh.edu>,
        Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [164000] MPLAB CDs for Elmer 160 Still Available
Message-ID: <BC14B5FD.1C152%n1bq_list@wulfden.org>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

I have shipped 12 so far and have two more to mail tomorrow. I asked George to modify the AMQRP Website listing to streamline the 'ordering process.' For the sake efficiency I will post the info here as well

---
Elmer 160 MPLAB CDROM is available from Brian Riley, N1BQ <n1bq@wulfden.org> - please email me your mailing address. I will make and send disks immediately.

 Disks contain, MPLAB 6.30, 6.32, & 6.40, the FPP programs and associated drivers, about 10 MB of appropriate Microchip documentation in PDF format, and all Elmer 160 lessons to date.

 To cover costs, send $3 USD (USA), $5 CD (Canada - send Canadian cash if you wish, my stepson is in college in Montreal)) or $5 USD (Europe) to me care of

 Brian Riley, P.O. Box 188, Underhill Center, VT 05490-0188, USA

---

  cheers ... 73 de brian, n1bq

Date: Sun, 28 Dec 2003 14:54:12 -0700
From: "James R. Duffey" <JamesDuffey@comcast.net>
To: QRP-L <qrp-l@lehigh.edu>
Cc: <w6toy@erols.com>

Subject: [164001] Re: Frustrated Ham has idea
Message-ID: <BC149F13.108ED%JamesDuffey@comcast.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Bruce - I think that your statements need a little clarification.

An antenna is a unity gain device in that it cannot radiate more energy than it is fed. However, wires can have gain by removing radiation from one direction and placing it in another. One can do this without adding additional elements by making the wire longer. A wire that is a full wave long will have gain over a half wave dipole, an extended double Zepp will have a bit more gain, a 1.5 wavelength wire will have a bit more gain. You can model this or measure it; it does occur.

If an antenna is a half wavelength long, it will have roughly the same pattern, no matter where it is fed. The G5RV is one and a half waves long and will have a clover leaf type pattern with maximum gain at 45 degree angles to the wire. It will have gain over a dipole.

Now, if the wire is longer than a half wavelength, the feed point does make a difference in the pattern. As the feed point is moved toward one end the radiation maxima are shifted toward the other end. On very long antennas this effect is quite pronounced. These effects can be modeled or measured as well.

Now for some Geography.

The distance from Box Elder SD to Houston TX, about as far south in Texas as one can go, is 1076 miles (1732 kM). The distance from Box Elder SD to Dartford, Kent, England is 4407 miles (7092 kM).

The distance from Box Elder SD to Key West FL is 1805 miles (2906 kM) The dsistance from Box Elder SD to Stockholm Sweden (Northern Europe) is 4538 miles (7335 kM).

There is a big difference in distance between working these state side stations from SD and working Europe from SD. More than a factor of 2. These will require multiple hops, particularly with a low antenna. The first few hops, particularly iwht a low antenna will likely be over land as well, which will add more loss than if those hops were over sea water.

Verticals have significantly lower angle of radiation than do low horizontal antennas. If your long wire has a vertical section, it is probably radiating at a lower angle of radiation than an inverted vee at 24 feet. Even a 10 ft vertical section on a long wire is significant on 15 M.

And that 17 element beam has obtained additional gain by adding those extra
16 elements hasn't it? :^)= - Dr. Megacycle KK6MC/5

_____
James R. Duffey KK6MC/5
Cedar Crest NM 87009 DM65

Date: Sun, 28 Dec 2003 16:03:15 -0600
From: "Jim Sheldon" <w0eb@cox.net>
To: "Flying Pigs Mailing List" <fpqrp-l@mpna.com>,
        "QRP-L Mailing List" <qrp-l@Lehigh.EDU>
Subject: [164002] J-37 Key is spoken for
Message-ID: <IBEGLCMLCDHHEFLBPHBOAENDCPAA.w0eb@cox.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The J-37 I had listed for sale has been spoken for. Thanks all that
responded.

Jim, W0EB

Date: Sun, 28 Dec 2003 17:34:54 -0500
From: w9ya <w9ya@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [164003] Re: Ultimatic Iambic mode not extinct
Message-ID: <200312281734.54537.w9ya@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain;
  charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

On Saturday 27 December 2003 08:34 pm, David Porter wrote:
> No, the Ultimatic mode is not dead, it is just hiding. It may even get
> added to the Super DSWK chip for the DSW's.

The DWSK and the Super DWSK are two different chips. I know the ultimatic mode
was/is now on the Super DWSK, as it is on mine as I received it from Chuck in
the last week or so.

Vy 72;

Bob
w9ya

>
> The mode, for those who don't know what it is, is simply that if you are
> sending dits and close both paddles, you now send dahs. If you are sending
> dahs, and close both paddles, you now send dits. That's it. Nothing more.
>
> Why does anyone care? It seemed to me that the Ultimatic system made more
> "head sense" than iambic a or b. I can't seem to get my head around how to
> use mode a or b, but I can figure real quickly how, and how many letters, I
> can use with the Ultimatic mode. However, if I had to get my head around
> how to use a bicycle, I'd still be a pedestrian. While I still will hold
> out for Ultimatic, I believe that if I quit thinking about it and just sat
> down with the keyer for a while, I'd probably let the "head" in my fingers
> figure mode a or b out for me in no time at all.
>
> Dave AA3UR

Date: Sun, 28 Dec 2003 17:36:37 -0500
From: "sslyon" <sslyon@megalink.net>
To: "qrp list" <qrp-l@lehigh.edu>
Subject: [164004] 160 Sunday nite?
Message-ID: <000701c3cd93$0e32c240$13c8e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm hearing ON, HB9, UA3, on 160m tonite, anyone want to try
QRP?
73
seab
aa1my

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel ME, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm

Date: Sun, 28 Dec 2003 16:44:15 -0600
From: "Andy Palm" <acpalm@concentric.net>
To: <qrp-l@Lehigh.EDU>
Subject: [164005] I had a great QRP weekend running 50 watts
Message-ID: <000701c3cd94$1fab9be0$2f99ee42@andy>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, I wasn't QRP with my Jupiter set at 50 watts, but I had three great ragchews on the subject this weekend, in three different modes, no less.

First, I was on 17m phone yesterday and bumped into Dave W9DBF who lives all of four miles away from me. I suppose we should have switched to 2m FM simplex or something, but we yacked for 50 minutes on the FT-817 and all its various mods and accessories.

Today I had a 30m CW contact with Bob, AA4CX, who is a member of the N. Georgia QRP club, and we chatted for an hour on all kinds of QRP subjects. He at least was running 5 watts from a K2.

Then later today I was tuning around the digital bands on 20 meters and saw a very strong RTTY signal calling CQ. I answered and met Jay, W5JAY who was running 500 watts, but who has been a QRP fanatic for several years and seems to personally know all the "big names" I see here on the list. We talked for over an hour and it was a most pleasant ragchew, nearly all on QRP. (Jay, you have me almost convinced to get that K2!)

It just seems I could not get away from QRP this weekend, even when running QRO. Darn, but I just love this hobby!

Andy N1KSN

Date: Sun, 28 Dec 2003 14:09:15 -0900
From: Jim Larsen <JimLarsen2002@alaska.net>
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>
Subject: [164006] Milliwatt Contest de AL7FS
Message-ID: <3FEF629B.6070204@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Tough day so far. And lots of new, very irritating static or QRN on the air today. And THEN my daughter kicked on the microwave...Ouch!!

So far, running 900mw, I have worked two WA and one BC station. I could work KL7R, in Juneau (and a Great Alaskan Ptarmigan) but he is ragchewing. I guess 1500 miles is all I can squeeze today.

I have worked VE7PEB (20), N7MFB (15) and KO7X (20) so far. Thanks, guys. I heard K7TQ briefly earlier this morning but no joy.

73, Jim
--
Jim Larsen, AL7FS
Anchorage, Alaska
http://www.qsl.net/al7fs

Date: Sun, 28 Dec 2003 18:45:48 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: "James R. Duffey" <JamesDuffey@comcast.net>
Cc: QRP-L <qrp-l@lehigh.edu>
Subject: [164007] Re: Frustrated Ham has idea
Message-ID: <3FEF6B2C.204A3FB@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dear Jim, Goody, and Rick,

Thank you all for your editorial inputs. If you carefully read what you are reading you will find that I said any antenna operating n its fundamental frequency. I

 will admit not adding the words "half-wave" and I should not have included the G5RV to the list. And if you carefully read the sentence about the 17 element yagi you will notice that I say the reason it has gain is the PRESENCE ON ADDITIONAL ELEMENTS THAT MODIFY THE PATTERN.

I never addressed the patterns of antennas longer than, or shorter than one half wave. I do understand about the lobes of long antennas or half wave antennas operated at higher than their fundamentals.

Jim, thank you for the geography lesson. I probably ignored that

because I have never had a problem working DX, at least in the last 50 years. I firmly believe that more DX is worked with PATIENCE than with kilowatts. I also believe that considering the half wave antenna, they are all essentially the same.

Oh yes, my long wire does have two vertical sections, one running up ALONG the house at the feed end, and one running down a tree trunk at the far ed. I seriously doubt that they add much gain to the antenna. They are just there for convenience in erecting the antenna.

Anyway, I stand chastised for not using half-wave.

73

Date: Sun, 28 Dec 2003 19:10:00 -0500
From: "Donn" <dkuse@suwanneevalley.net>
To: "Amateur Radio low power" <qrp-L@lehigh.edu>
Subject: [164008] Computer CW program
Message-ID: <003b01c3cda0$1ac95750$1df827a2@D5DP1021>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi all,
A Happy New Year to everyone.
I'm looking for a computer program to copy my sending--to see how "badly" I send!!!:-). For those who have such a program, how do you use it? How do you connect your keyer or straight key? I'm wanting to get back into CW (been away from it over 25 years!) and want to see how my sending is coming along.
Thanks, in advance.
72/73, Donn, WB4ZWT
68 and still learning

Date: Sun, 28 Dec 2003 19:23:44 -0500
From: "Brian Murrey" <brian@iquest.net>
To: "QRP-L" <qrp-l@lehigh.edu>, "Flying Pigs" <fpqrp-l@fpqrp.com>
Subject: [164009] Flying Pig QRP Club Net
Message-ID: <005a01c3cda2$05932030$02fea8c0@bjmw2k>
MIME-Version: 1.0

Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The net tonight is at 01:00 UTC on or near 7044 depending on band condx.

All are invited!

CQ FP CQ FP DE KB9BVN

==
      KB9BVN/QRP QRP-L 1540 QRP-ARCI 10223
         39.558 N   86.095 W   Johnson Co., Indiana
     GRID: EM69WN - Elecraft K1 - Attic Dipole - 5w
            Member of the ARRL - SOC #400
             FISTS 5695 CC 764 FPQRP #-57
==

Date: Sun, 28 Dec 2003 17:38:58 -0700
From: "James R. Duffey" <JamesDuffey@comcast.net>
To: Bruce Muscolino <w6toy@erols.com>
Cc: QRP-L <qrp-l@lehigh.edu>
Subject: [164010] Re: Frustrated Ham has idea
Message-ID: <BC14C5B2.108FD%JamesDuffey@comcast.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Bruce - I apoligise for my reply to you and the list. I misunderstood what
you posted.

I did not understand:

" A G5RV, a Dipole fed with coax or open wire, a Windom, an Inverted V, an
End fed wire, are all the same. They have exactly the same pattern at any
frequency. "

particularly that the,

 "at any frequency"

meant only the fundamental. I was confused that "at any frequency" did not
mean the pattern of the antenna used at any frequency, but meant only half
wave dipoles.

And I apologise for not understanding that the sentence:

"All antennas have unity gain; ALL ANTENNAS, including that 17 element beam."

meant that the presence of additional elements modified the gain of that 17 element beam and increeased its gain beyond unity.

I am not sure of the exact geometry of your long wire antenna, but I suspect that the low angle radiation of the vertical sections have a lot to do with your ability to work DX.

The east coast has a big advantage in working Europe over the midwest, particularly SD. I am constantly amazed as I oprerate from different parts of the country how different the bands are.

Again, my apologies for misunderstanding your post. - Dr. Megacycle KK6MC/5

_____
James R. Duffey KK6MC/5
Cedar Crest NM 87009 DM65

Date: Sun, 28 Dec 2003 20:29:57 -0500
From: Lee Mairs <lmairs@direcway.com>
To: kj7un@kj7un.com,
        Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [164011] Re: Solving the wall wart dilemma
Message-ID: <015801c3cdab$491d8940$3b6d020a@J4>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

I bought several of these 6" wall wart extensions for $1.11 each at Microcenter last week.
73 de Lee
km4yy/8

----- Original Message -----
From: "KJ7UN" <kj7un@kj7un.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Saturday, December 06, 2003 4:26 PM
Subject: Re: Solving the wall wart dilemma

> They have them at www.cyberguys.com.
>
> --
> 73 de KJ7UN
>
> On Sat, 06 Dec 2003 07:26:59 -0600, Frank Emens <femens@hiwaay.net> wrote:
>
> > Check Jameco's catalog. They have short 12" extensions and they also
> > have double
> > extensions that will allow connecting 2 wall-warts to one position on an
> > outlet strip.
> > Real lifesavers these days when almost everything has its own wall-wart.
>
>
>
>

Date: Sun, 28 Dec 2003 20:32:17 -0500
From: "Howard Rubin" <hrubin1970@comcast.net>
To: <QRP-L@lehigh.edu>
Subject: [164012] TDA7052 OR NTE-7051
Message-ID: <BHEBKCFLHLMNJDDCKJGHIEMFCKAA.hrubin1970@comcast.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Listers,

I need at least (1) one of the subject devices. It's an audio amplifier with a bridge output that develops 1w into an 8 ohm load. Does anyone have a few they are willing to part with at a reasonable price?

I can order them from the distribution supply chain, but they'd charge an arm and a leg for UPS or they'd want a minimum order of (2000). The local part supplier wants $4.52 each, but I'd spend a few hours and another $4 in gas and tolls to get there and back.

Please advise,
Howard, N3FEL

Date: Sun, 28 Dec 2003 15:25:26 -0500
From: Jean Jibouleau <jiboulj@globetrotter.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [164013] Elmer 160 lesson 5
Message-ID: <000201c3cdb1$68d375a0$a994a98e@ve2ghi>
MIME-version: 1.0
Content-type: text/plain; charset=Windows-1252
Content-transfer-encoding: QUOTED-PRINTABLE

Hello everyone,
My I present to all of you my best wishes for the new year to come.
I wish everyone, everywhere could live in peace so they put all their=
 energy
and attention to theirs loving one.

Lesson #5 offer really an almost overwhelming quantity of information=
.
One has to study it very carefully, I mean VERY CAREFULLY.(I was a te=
acher
for over 35 years so I know what I mean by study carefully)
There is lot to learn in it.

Maybe, I said maybe there is another bug in it.
Look at page 13.
Read the section "Another test".
The line: =AB movlw Spot1 =BB   seem wrong to me.
Maybe it should be   =AB movwf Spot1 =BB
So the Spot1 will contain H'F8' and could be decrease to 0
Is it wright ...

Just one more thing.
I did a chrismast gift for myself. An Pic-El board. I hope I will hav=
e the
time to get it ready until it is needed.

73 de Jean (VE2GHI)

Date: Sun, 28 Dec 2003 21:20:48 -0500
From: Lee Mairs <lmairs@direcway.com>
To: qrpl <qrp-l@Lehigh.EDU>
Subject: [164014] Lacquer and the paddls kit.

Message-ID: <01a001c3cdb2$634365e0$3b6d020a@J4>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Ok guys. I've polished my AZ ScQRPians paddles kit all the way down to 1500 grit and my fingers are blistered and bloody. I'm not sure that I can recognize much improvement from 600 grit to here. I'm ready to apply some lacquer so that I never have to polish this darn thing again.

I bought some clear coat lacquer from the local Advanced Auto and I'm ready to go; however, I would greatly appreciate some advice. Can anybody give me some suggestions (other than to put clean Band-Aids on my bloody fingers) or point me to a good "How To" URL?
73 de Lee
km4yy/8

Date: Sun, 28 Dec 2003 09:36:16 -0500
From: "Patrick Schwarz - KB8RTZ" <kb8rtz@comcast.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [164015] Re: 10.104
Message-ID: <00d201c3cd4f$f4084900$48708318@ce1.client2.attbi.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

had s7 oscillating signal near cleveland, ohio. turned out to be my usb hub. now nothing.

patrick...kb8rtz...

Date: Sun, 28 Dec 2003 21:35:00 -0500
From: "Brian Murrey" <brian@iquest.net>
To: "Flying Pigs" <fpqrp-l@fpqrp.com>, "QRP-L" <qrp-l@lehigh.edu>,
        "QRPp-l" <QRPp-I@yahoogroups.com>
Subject: [164016] Parts for Sale
Message-ID: <00b601c3cdb4$5ba54130$02fea8c0@bjmw2k>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Junkbox Surplus Parts for Sale
==========

I have some surplus 50K 1 Turn linear taper pots, about 25 each. These are chassis mount pots with the nut. About the size of a nickle, and about 1/2 inch deep with a 1/4 inch shaft about 1/2 inch long. Brand new, never installed.
5 for $5.00 including USA shipping.

9.8304 Mhz Crystals, 1/4 in tall - 20 for $5.00

27mH inductors with radial leads - 25 for $3.50

2.5/5.5mm Coaxial Power Jacks for PCB insertion or Manhattan install
10 for $2.50

L7805ACV - 5v Regulator, 1.5A, TO220 Format - 10 for $2.50

Caps - All new, old stock. No pulls.
==========
All listed caps now 50/$3 or 100/$5
==========
8pf NPO Ceramic - Loose
11pf NPO Ceramic - Loose
12pf NPO ceramics on tape
22pf Kemet Ceramic Caps, 200v, 10%
150pf ceramics, 100v, 10%
470pf Ceramics on paper tape, rated 5% (NPO)
560pf Kemet Ceramic Caps, 200v, 10%
1000pf blue mono caps, 10% 100v
3300pf Kemet Ceramic Caps, 100v, 10%
.01 uF ceramic caps, 10% 100v brand new by Kyocera
and
.01 uF ceramic caps, 20% 50v, new old stock, not used
50/2.50 100/$4

TP2222 plastic TO92 NPN (House brand 2N2222)50/$4 100/$7
2N3904's plastic TO92. NPN - 50/$4 100/$7
2N3704's plastic TO92, NPN - 50/$4

LM386N-1 - Audio Amps 5 for $3.00

LM741CN - Single Op Amp, 8 Pin Dip, 6 for $3.00
http://www.hep.ph.ic.ac.uk/~hallg/Instrumentation/Data/LM741.pdf

Diodes

======
1N4148 - You always need these. 100 for $2.50

Let me know if you're interested. All prices are post paid to the
USA, unless otherwise noted. I will ship to non USA addresses but we
need to discuss the shipping charges first.
==
      KB9BVN/QRP QRP-L 1540 QRP-ARCI 10223
         39.558 N   86.095 W   Johnson Co., Indiana
     GRID: EM69WN - Elecraft K1 - Attic Dipole - 5w
            Member of the ARRL - SOC #400
             FISTS 5695 CC 764 FPQRP #-57
==

Date: Sun, 28 Dec 2003 18:44:24 -0800
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [164017] Re: 10.104
Message-ID: <20031229024424.GA21123@bob>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

It was S9 here in W. WA at 0120Z but was gone a bit later.

Bob, N7XY

On Sun, Dec 28, 2003 at 10:23:09AM -0500, Emmersome Bigguns wrote:
> It's a solid s7 here in SW Ohio and very little fading.
>
> 72, oo
> Dan, N8IE
>
> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Tom Sevart
> Sent: Sunday, December 28, 2003 9:33 AM
> To: Low Power Amateur Radio Discussion
> Subject: Re: 10.104
>
>
>
> --- "Fred (VE3FAL)" <flesnick@tbaytel.net> wrote:
> > It is Saturday at 15:05z and the signal is still

> > present and a solid
> > S-7...
>
> It's S7 with deep fades here in SE Kansas at 1430.
>
>
>
> =====
> Tom Sevart N2UHC
> http://www.geocities.com/n2uhc
>
> _____________________________________
> Do you Yahoo!?
> New Yahoo! Photos - easier uploading and sharing.
> http://photos.yahoo.com/
> ---
> Incoming mail is certified Virus Free.
> Checked by AVG anti-virus system (http://www.grisoft.com).
> Version: 6.0.554 / Virus Database: 346 - Release Date: 12/20/2003
>
> ---
> Outgoing mail is certified Virus Free.
> Checked by AVG anti-virus system (http://www.grisoft.com).
> Version: 6.0.554 / Virus Database: 346 - Release Date: 12/20/2003
>

--
Bob Nielsen, N7XY   n7xy (at) n7xy.net
Bainbridge Island, WA   http://www.n7xy.net

Date: Sun, 28 Dec 2003 20:07:27 -0700
From: w5xe@juno.com
To: qrp-l@lehigh.edu
Subject: [164018] Re: 10.104
Message-ID: <20031228.200728.-397653.7.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Checking, there is a loud broadcast station
operating at about 5.052. It is possible the
second harmonic is a result of that.

Ray
"The more I see of the representatives of the people,

the more I admire my dogs." letter from Count d'Orsay
Ray Colbert, W5XE, OOTC#3618, SOWP#1064M NARTE-NCT2R
FP# 111, GQRP-6115,QRP-ARCI 5784, El Paso,(FAR WEST)TEXAS

Date: Sun, 28 Dec 2003 21:10:13 -0600 (CST)
From: Dale Botkin <dale@botkin.org>
To: QRP list <qrp-l@Lehigh.EDU>
Subject: [164019] Re: Lacquer and the paddls kit.
Message-ID: <Pine.LNX.4.33.0312282103230.29549-100000@madmax.botkin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 28 Dec 2003, Lee Mairs wrote:

> Ok guys. I've polished my AZ ScQRPians paddles kit all the way down to 1500
> grit and my fingers are blistered and bloody. I'm not sure that I can
> recognize much improvement from 600 grit to here. I'm ready to apply some
> lacquer so that I never have to polish this darn thing again.

I just did mine yesterday. I quit after the 600 grit finish didn't look
any better than the 400 grit finish. Didn't help the fingers much,
though, suffice to say I feel your pain.

> I bought some clear coat lacquer from the local Advanced Auto and I'm ready
> to go; however, I would greatly appreciate some advice. Can anybody give me
> some suggestions (other than to put clean Band-Aids on my bloody fingers) or
> point me to a good "How To" URL?

By the time I got to the lacquer part I was getting impatient. I just ran
some 4-40 screws into the holes that neede to stay lacquuer-free, held the
pieces up and shot lacquer. In hindsight I wish I had used some wire to
hang all the bits and pieces so they could dry without having to lay them
down or hold them, waving them around to speed up the process. Anyway,
the results were reasonably good. The only part I'm not entirely thrilled
with is the base; though the lacquer was dry to the touch, it was not
fully hard and I put a couple of minor scratches in it while mounting the
paddle arms. Oh well, it's still pretty.

Now I just need to get a cable on there so I can try 'em out. Of course
it will be temporary, I have a keyer baord on the way that's custom-made
to bolt right onto the paddle. Opps, did I really let that slip? Oh
well, too late to do anything about it now! 8-)

72,
Dale - N0XAS
--

It's a thankless job, but I've got a lot of Karma to burn off.
PicoKeyer Analog with pot speed control now available! Or add
memory and more to your Rock-Mite -- http://www.hamgadgets.com

---

Date: Sun, 28 Dec 2003 21:24:02 -0600
From: "Lew Paceley" <lew@paceley.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Cc: <JamesDuffey@comcast.net>
Subject: [164020] Re: Frustrated Ham has idea
Message-ID: <000301c3cdbb$36500c60$6501a8c0@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain;
	charset="Windows-1252"
Content-Transfer-Encoding: 7bit

In the spirit of "to ride, shoot straight, and speak the truth" let me
remind all ya'll that aren't fortunate enuff to live in the great
state of Texas, that Brownsville, Texas is about as far south in Texas
as you can go. And from Box Elder to Brownsville you're talkin' about
1292 miles (2080km).

Folks, just remember that everythin's bigger in Texas ;-)

72/73,
Lew
 N5ZE
Pesky Texan

Date: Sun, 28 Dec 2003 21:32:46 -0600
From: "Conard Murray" <ws4s@charter.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [164021] Glowbugs contest tomorrow night!
Message-ID: <00af01c3cdbc$6d7b03b0$6501a8c0@radio1>
MIME-Version: 1.0
Content-Type: text/plain;
	charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,
Don't forget the Glowbugs Radio Rally Monday night. Rules are at
http://www.mines.uidaho.edu/~glowbugs/gbrr.htm .
This contest has a QRP category. Hope everyone has fun!

Happy New Year and 73,
Conard, WS4S

Date: Sun, 28 Dec 2003 20:40:39 -0700
From: "James R. Duffey" <JamesDuffey@comcast.net>
To: Lew Paceley <lew@paceley.com>,
        Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [164022] Re: Frustrated Ham has idea
Message-ID: <BC14F046.10907%JamesDuffey@comcast.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Lew - You are correct. I chose Houston as that is where my daughter lives.

Pleae forgive.

It is still not as far as it is to London. - Dr. Megacycle KK6MC/5
_____
James R. Duffey KK6MC/5
Cedar Crest NM 87009 DM65

Date: Sun, 28 Dec 2003 23:03:26 -0500
From: "Brian Murrey" <brian@iquest.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: "QRPp-l" <QRPp-I@yahoogroups.com>,
        "Flying Pigs" <fpqrp-l@fpqrp.com>
Subject: [164023] Re: Parts for Sale
Message-ID: <004301c3cdc0$b6bbc600$02fea8c0@bjmw2k>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Everyone....I am now out of the coaxial power jacks.

Thanks

----- Original Message -----
From: "Brian Murrey" <brian@iquest.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, December 28, 2003 9:35 PM
Subject: Parts for Sale

> Junkbox Surplus Parts for Sale
> ========================
>
> I have some surplus 50K 1 Turn linear taper pots, about 25 each. These
> are chassis mount pots with the nut. About the size of a nickle, and
> about 1/2 inch deep with a 1/4 inch shaft about 1/2 inch long. Brand
> new, never installed.
> 5 for $5.00 including USA shipping.
>
> 9.8304 Mhz Crystals, 1/4 in tall - 20 for $5.00
>
> 27mH inductors with radial leads - 25 for $3.50
>
> 2.5/5.5mm Coaxial Power Jacks for PCB insertion or Manhattan install
> 10 for $2.50
>
> L7805ACV - 5v Regulator, 1.5A, TO220 Format - 10 for $2.50
>
>
> Caps - All new, old stock. No pulls.
> ====================================
> All listed caps now 50/$3 or 100/$5
> ====================================
> 8pf NPO Ceramic - Loose
> 11pf NPO Ceramic - Loose
> 12pf NPO ceramics on tape
> 22pf Kemet Ceramic Caps, 200v, 10%
> 150pf ceramics, 100v, 10%
> 470pf Ceramics on paper tape, rated 5% (NPO)
> 560pf Kemet Ceramic Caps, 200v, 10%
> 1000pf blue mono caps, 10% 100v
> 3300pf Kemet Ceramic Caps, 100v, 10%
> .01 uF ceramic caps, 10% 100v brand new by Kyocera
> and
> .01 uF ceramic caps, 20% 50v, new old stock, not used
> 50/2.50 100/$4
>
> TP2222 plastic TO92 NPN (House brand 2N2222)50/$4 100/$7
> 2N3904's plastic TO92. NPN - 50/$4 100/$7
> 2N3704's plastic TO92, NPN - 50/$4
>
> LM386N-1 - Audio Amps 5 for $3.00
>

> LM741CN - Single Op Amp, 8 Pin Dip, 6 for $3.00
> http://www.hep.ph.ic.ac.uk/~hallg/Instrumentation/Data/LM741.pdf
>
> Diodes
> ======
> 1N4148 - You always need these. 100 for $2.50
>
> Let me know if you're interested. All prices are post paid to the
> USA, unless otherwise noted. I will ship to non USA addresses but we
> need to discuss the shipping charges first.
> ==
>   KB9BVN/QRP QRP-L 1540 QRP-ARCI 10223
>   39.558 N   86.095 W   Johnson Co., Indiana
>   GRID: EM69WN - Elecraft K1 - Attic Dipole - 5w
>   Member of the ARRL - SOC #400
>   FISTS 5695 CC 764 FPQRP #-57
> ==
>
>
>
>

Date: Sun, 28 Dec 2003 23:31:19 -0500
From: Peter Burbank <peterlee@qx.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [164024] Re: URL correction
Message-ID: <5.2.0.9.0.20031228232532.00a313e0@mail.qx.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I use Eudora too and when in doubt about a URL, I send a message to myself
first and
then make sure it works ok. I'm good at messing up URLs. :-) :-)
72/3
Pete NV4V
At 01:50 PM 12/28/2003, Chuck Adams wrote:

>Sorry about that. What happens when you work late.
>
>http://www.qsl.net/k7qo/xg1.html
>
>One complaint that I have about Eudora is that when in
>the composition mode it will high light the URL's, but it
>won't bring up Netscape when I click on it like in the

>incoming mode. May just have to email them on this
>feature that would be nice to have.
>
>Thanks for the notes gang,
>
>dit dit
>
>
>Chuck Adams K7QO   k7qo@commspeed.net
>http://www.qsl.net/k7qo   CP-60
>
>Moving to Arizona? Please bring your own water.

Date: Sun, 28 Dec 2003 22:38:28 -0600
From: "Jerry Hall" <lugehall@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [164025] Holiday Milliwatt Contest - W0PWE
Message-ID: <BAY9-F60wzrnecGJcFM000bdbf9@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I had similar results. 20 meters was in pretty good shape but there just wasn't much activity. I worked MD, NJ, WY, VA, and MA with 250mw on 20M. At about 2230 I was going to switch to 40M but then the phone rang and I had to take off. Hopefully the next two days will see a little more activity.

If you missed it today come join in the fun tomorrow and Tuesday. You can only turn in logs for two of the three days anyway. You don't have to run QRPp to participate but it is more fun that way.
72, Jerry - W0PWE

_____
Expand your wine savvy   and get some great new recipes   at MSN Wine.
http://wine.msn.com

Date: Sun, 28 Dec 2003 22:41:36 -0800
From: "Bill Linn" <wlinn@smgazette.com>
To: <puntrad@usa.net>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [164026] Re: Miniboots Amplifier

Message-ID: <002a01c3cdd6$cf2045c0$6b70ef42@wa7tqk>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Juan, don't have one to sell, but here is a picture of the one I built into
a couple of Altoid tins.

http://www.qsl.net\w7wel\MiniBoots.JPG

And here's how I double the tins....

http://www.qsl.net\w7wel\doublealtoid.jpg

Bill - W7WEL

[SMGazette.com E-mail is scanned for viruses by Declude Virus]
[Visit us on the web at SMGazette.com]

Date: Mon, 29 Dec 2003 01:22:59 -0500 (EST)
From: ham@w3eax.umd.edu
To: Lee Bahr <pulsarxp@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [164027] Re: Frustrated Ham has idea?
Message-ID: <Pine.LNX.4.44.0312290119210.8294-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Yeah, there are some holes in some of these statements.

If anyone wants a good, standard textbook to help them understand, check

     Antenna Theory and Design by Stutzman and Thiele

This was the text when I took the class back in 1989, and it's still used
today.

Guess the "new math" doesn't apply here :)

Scott Rosenfeld ARS N7JI
541-684-9970 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu http://w3eax.umd.edu/~ham

On Sun, 28 Dec 2003, Lee Bahr wrote:

> I guess this means a 12 halfwave long wire has the same radiation pattern as
> a 1/2 wave long wire. It also means pumping a 28 Mhz signal into an 80
> meter dipole has the same pattern as an 80 meter signal pumped into the same
> antenna! Apparantly the ARRL handbooks have been wrong all these years.
> Lee, w0vt
>
>
>
> > > You are missing one important concept; A WIRE ANTENNA IS JUST A WIRE
> > > ANTENNA. This concept applies to any single wire antenna. A G5RV, a
> > > Dipole fed with coax or open wire, a Windom, an Inverted V, an End fed
> > > wire, are all the same. They have exactly the same pattern at any
> > > frequency. The differences in them were all made to get a better feed
> > > or feed point impedance.
> > >
> > Really ? Try modeling all of these in Mininec. There's differences.
> > >
> > > >
> > > Now, another heresy. All antennas have unity gain; ALL ANTENNAS,
> > > including that 17 element beam.   The only way to get gain from an
> > > antenna is to add elements that modify the pattern.
> > >
> > Ummm, what ? A 17 element beam does have elements to modify the pattern
> (a
> > reflector and directors). And the only antenna that has unity gain is the
> > theoretical isotropic antenna, or am I missing something ?
> > >
> > > Oh, and BTW, a Vertical is no better than your wire. It has unity gain
> > > and is omnidiectional.
> > >
> > But a vertical can be better than a wire, depending on the radial system
> of
> > the vertical and what height the dipole is at. A vertical can have a
> lower
> > angle of radiation than a low wire antenna which would be better for DX.
> > (I'm trying to follow the thread back, and I assume we are talking DX,
> right
> > ?)
> > >
> > 72
> > Goody
> > K3NG
> > >
>
>

>

Date: Sun, 28 Dec 2003 22:54:57 -0800 (PST)
From: Mr Mike Caughran <kl7r@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [164028] Echolik *QRP* conference back online
Message-ID: <20031229065457.54404.qmail@web40413.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

The conference went away for a time.
It was not set to autostart on system reboot.
That problem should be fixed now.

This is a good place to chat about
ELMER160 as well as other qrp interests.

Mike
KL7R
Juneau

_____
Do you Yahoo!?
New Yahoo! Photos - easier uploading and sharing.
http://photos.yahoo.com/

Date: Sun, 28 Dec 2003 23:12:26 -0800 (PST)
From: Mr Mike Caughran <kl7r@yahoo.com>
To: qrp-l@lehigh.edu
Cc: jimrob@jetnetinc.net
Subject: [164029] re: wow
Message-ID: <20031229071226.83125.qmail@web40401.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

check out spectran

_____
Do you Yahoo!?
New Yahoo! Photos - easier uploading and sharing.
http://photos.yahoo.com/

Date: Mon, 29 Dec 2003 09:07:49 +0100
From: WJuergens@t-online.de (Wolf-Ruediger Juergens)
To: <jimrob@jetnetinc.net>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [164030] Re: Wow
Message-ID: <00f401c3cde2$d9e8c700$0100a8c0@homepc>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Rob Matherly wrote:

> Anyone know of any other neat (and FREE!!) audio analysis programs I
> would find useful?

I'm using the very powerfull Spectrum Lab from Wolf, DL4YHF.
<http://www.qsl.net/dl4yhf/spectra1.html>

You may find Spectran also useful.
<http://www.qsl.net/padan/spectran.html>

72 Wolf, DL2WRJ
--
http://www.dl2wrj.de - CW - Hellschreiber - QRP - QRPP

Date: Mon, 29 Dec 2003 08:34:43 +0000
From: Chuck Adams <k7qo@commspeed.net>
To: qrp-l@lehigh.edu
Subject: [164031] [OT] Hint for creating URLs
Message-ID: <5.2.1.1.0.20031229083115.012f7ea0@mail.commspeed.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I had mentioned the problem in my checking URLs during
composing messages in Eudora. Several wrote back with this
note.

Use alt-click on the link, i.e. hold cursor over the text string,
press alt and hold it down and then left click on the text. Sure
enough it brings up the default browser (Netscape in my case)
and I can immediately see if I am in error. So from this point

on I will have double checked all my pointers. I would have
been doing this all along, but there are no manuals any more
with software and the help files aren't that much help. Know
what I mean kid?

dit dit es tnx,

Chuck Adams K7QO   k7qo@commspeed.net
http://www.qsl.net/k7qo   CP-60

Moving to Arizona? Please bring your own water.

Date: Mon, 29 Dec 2003 00:50:17 -0800
From: Dan Presley <dpresley1@comcast.net>
To: qrp-l@lehigh.edu
Subject: [164032] Fox: N7CQR log 12/24
Message-ID: <p0501040bbc15409ca25d@[192.168.123.131]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

Here (finally!) is my log from last Tuesday. Sorry for the delay,
but with the holiday, family in town, and extra work (I'm a musician)
it's been a madhouse. Here goes:

Time	Call	RST	SPC	Name	Pwr
0200	KC6CYN	559	CA	Trev	5W
0201	K6XR	559	CA	Reggie	5W
0202	W4NIK	559	CA	Karl	5W
0202	NK6A	559	CA	Don	5W
0204	AC5JH	559	OK	Tom	5W
0206	VA6RF	559	AB	Earl	5W
0207	K3ESE	559	MD	Larry	5W
0210	K0EVZ	559	MI	Doc	5W
0211	K6VNX	559	CA	Arlen	5W
0213	KK5LD	559	TX	Dan	5W
0215	W5JAY	559	AR	Jay	1W
0217	K5DI	569	NM	Karl	5W
0218	AG0T	559	ND	Todd	4W
0219	N0TK	559	CO	Dan	5W
0221	W7ILW	559	AZ	Walt	5W
0222	N1FN	559	CO	ET	5W
0223	W9XT	559	WI	Gary	5W
0224	KG6WP	559	CA	Ward	5W
0225	W6AZ	559	CA	Ron	5W

0226	N9AW	569	WI	Jerry	5W
0228	N5ZI	559	TX	Earl	5W
0229	W5YR	559	TX	George	5W
0230	N9NE	559	WI	Todd	5W
0231	N4DD	559	TN	Denni	5W
0232	N4ROA	559	VA	Dan	5W
0232	N4DL	559	FL	Gary	5W
0233	AK7Y	559	AZ	Greg	5W
0239	KR0U	559	CO	Tim	5W
0241	AK7D	599	OR	Fred	500mW
0242	N4BJ	559	VA	Ade	5W
0246	KI0II	559	CO	Ron	5W
0254	K5EOA	559	LA	Wayne	5W
0255	AA5O	559	LA	Vern	5W
0256	W4YN	559	NC	Tim	5W
0257	AA7EQ	559	AZ	Bob	5W
0303	NB7F	559	OR	Lee	5W
0311	K5TR	559	TX	Geo	5W
0316	NK9G	559	WI	Rick	5W
0330	W9XU	559	WI	Don	5W
0357	WA9TZE	449	WI	Jim	5W
0358	N6NU	559	CA	Andy	5W
0359	VE6EX	559	AB	Dan	5W
0400	N7CQR	Fox			
0400	K2QQ	Fox			

--
Dan Presley-N7CQR-Portland, Or QRP-L #502
n7cqr@arrl.net

Date: Mon, 29 Dec 2003 07:32:32 -0500
From: Hank Kohl K8DD <k8dd@arrl.net>
To: peterlee@qx.net,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: k7qo@commspeed.net
Subject: [164033] Re: URL correction
Message-ID: <6.0.1.1.2.20031229072247.02a5de90@mail.arenet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I too use Eudora and when you put a URL in an email and want to test it
(for example:
http://www.qsl.net/k8dd/toystore/thetoystore.htm) to see if it works, put
the cursor over the
URL, press ALT and click and away you go!
At least that's the way it works with version 6.0.1.1

72 / 73   Happy New Yeat
Hank   K8DD

At 12/28/2003 11:31 PM, Peter Burbank wrote:

>I use Eudora too and when in doubt about a URL, I send a message to myself
>first and
>then make sure it works ok. I'm good at messing up URLs. :-) :-)
>72/3
>Pete NV4V
>At 01:50 PM 12/28/2003, Chuck Adams wrote:
>
>>Sorry about that. What happens when you work late.
>>
>>http://www.qsl.net/k7qo/xg1.html
>>
>>One complaint that I have about Eudora is that when in
>>the composition mode it will high light the URL's, but it
>>won't bring up Netscape when I click on it like in the
>>incoming mode. May just have to email them on this
>>feature that would be nice to have.
>>
>>Thanks for the notes gang,
>>
>>dit dit
>>
>>
>>Chuck Adams K7QO   k7qo@commspeed.net
>>http://www.qsl.net/k7qo   CP-60
>>
>>Moving to Arizona? Please bring your own water.
>
>

Date: Mon, 29 Dec 2003 08:00:50 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [164034] Elmer 160: More data
Message-ID: <001701c3ce0b$c99e1b10$090044c0@BrianBoru>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang

There is a new lesson available on http://www.amqrp.org/elmer160/lessons/

We didn't want to disadvantage those who may have to attend to family duties, but a number of folks were anxious for more data. Today's posting is one of several that are more like sidebars, and will be posted as appendices. This section isn't required for lesson 6, so if you are just getting to lesson 5, don't feel pressured. I've only started getting comments on lesson 5 in the past couple of days, so I suspect there are a number of folks who are a little behind.

This material is stuff we wanted to cover, and now looks like a good time for it. There are a few others like this, and I may move up one or two of them, but I'm trading that off with wanting to get past the basics and into doing something useful.

72/73 de WB8RCR http://www.qsl.net/wb8rcr
didileydadidah QRP-L #1446 Code Warriors #35

Date: Mon, 29 Dec 2003 08:21:41 -0500
From: John Sielke <jsielke@pobox.com>
To: qrp-l@lehigh.edu
Subject: [164035] Re: Holiday Milliwatt Contest - W0PWE
Message-ID: <3FF02A65.1010203@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Jerry,

I heard someone working you, but you were ESP here. I had really bad QRN on 20M. Will be lurking again today with my mighty Argo 515 at 50mw. This is really a fun challenge.

John W2AGN

Date: Mon, 29 Dec 2003 08:44:25 -0500
From: Ed Lawson <k1vp@grizzy.com>
To: qrp-l@lehigh.edu
Subject: [164036] VX5-R Question
Message-ID: <20031229084425.77e8a628.k1vp@grizzy.com>

Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

I suppose it is QRP because it is under 5W, but mainly I know this group
is as knowledgeable as one can find about all things ham radio.

My question, which seems to not be addressed in the manual, is how do
you blank a memory location on the VX5-R. I don't mean masking memory
locations or skipping them during scans, I need to simply blank a few
locations to organize things better and make memory selection less
confusing.

TIA

Ed Lawson
K1VP

Date: Mon, 29 Dec 2003 10:15:10 -0500
From: w9ya <w9ya@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [164037] Re: Frustrated Ham has idea?
Message-ID: <200312291015.10890.w9ya@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain;
  charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Hey gang;

I *think* Bruce was trying to say that it doesn't matter what you call a
dipole or how you feed it. It cannot make more power than you put into it,
and therefore it has no "gain" in that respect.

Also if you add parasitic OR directly driven elements, they also do not have
any additional power manufactured in them.

All such antennas have "gain" only in how their patterns are developed, with
whatever increase in "gain" in one direction made up for by corresponding
decrease(s) elsewhere.

These are fundamentals when considering antennas.

Vy 72;

Bob
w9ya

P.S. Nice recommendation Scott !

On Monday 29 December 2003 01:22 am, ham@w3eax.umd.edu wrote:
> Yeah, there are some holes in some of these statements.
>
> If anyone wants a good, standard textbook to help them understand, check
>
>   Antenna Theory and Design by Stutzman and Thiele
>
> This was the text when I took the class back in 1989, and it's still used
> today.
>
> Guess the "new math" doesn't apply here :)
>
> Scott Rosenfeld ARS N7JI
> 541-684-9970 Eugene, OR Land o' much rain
> If you find me on the air, I'm probably in my car
> ham@w3eax.umd.edu http://w3eax.umd.edu/~ham
>
> On Sun, 28 Dec 2003, Lee Bahr wrote:
> > I guess this means a 12 halfwave long wire has the same radiation pattern
> > as a 1/2 wave long wire. It also means pumping a 28 Mhz signal into an
> > 80 meter dipole has the same pattern as an 80 meter signal pumped into
> > the same antenna! Apparantly the ARRL handbooks have been wrong all
> > these years. Lee, w0vt
> >
> > > > You are missing one important concept; A WIRE ANTENNA IS JUST A WIRE
> > > > ANTENNA. This concept applies to any single wire antenna. A G5RV, a
> > > > Dipole fed with coax or open wire, a Windom, an Inverted V, an End
> > > > fed wire, are all the same. They have exactly the same pattern at
> > > > any frequency. The differences in them were all made to get a better
> > > > feed or feed point impedance.
> > >
> > > Really ? Try modeling all of these in Mininec. There's differences.
> > >
> > > > Now, another heresy. All antennas have unity gain; ALL ANTENNAS,
> > > > including that 17 element beam.   The only way to get gain from an
> > > > antenna is to add elements that modify the pattern.
> > >
> > > Ummm, what ? A 17 element beam does have elements to modify the
> > > pattern
> > >
> > > (a
> > >
> > > reflector and directors). And the only antenna that has unity gain is

> > > the theoretical isotropic antenna, or am I missing something ?
> > >
> > > > Oh, and BTW, a Vertical is no better than your wire. It has unity
> > > > gain and is omnidiectional.
> > >
> > > But a vertical can be better than a wire, depending on the radial
> > > system
> >
> > of
> >
> > > the vertical and what height the dipole is at. A vertical can have a
> >
> > lower
> >
> > > angle of radiation than a low wire antenna which would be better for
> > > DX. (I'm trying to follow the thread back, and I assume we are talking
> > > DX,
> >
> > right
> >
> > > ?)
> > >
> > > 72
> > > Goody
> > > K3NG

Date: Mon, 29 Dec 2003 10:20:42 -0500
From: w9ya <w9ya@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [164038] Re: [OT] Hint for creating URLs
Message-ID: <200312291020.42958.w9ya@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain;
  charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

On Monday 29 December 2003 03:34 am, Chuck Adams wrote:
> I had mentioned the problem in my checking URLs during
> composing messages in Eudora. Several wrote back with this
> note.
>
> Use alt-click on the link, i.e. hold cursor over the text string,
> press alt and hold it down and then left click on the text. Sure
> enough it brings up the default browser (Netscape in my case)

> and I can immediately see if I am in error. So from this point
> on I will have double checked all my pointers. I would have
> been doing this all along, but there are no manuals any more
> with software and the help files aren't that much help. Know
> what I mean kid?

FOTFLMAO

VERY 72 OM;

de

Bob
w9ya

>
> dit dit es tnx,
>
>
> Chuck Adams K7QO   k7qo@commspeed.net
> http://www.qsl.net/k7qo   CP-60
>
> Moving to Arizona? Please bring your own water.

Date: Mon, 29 Dec 2003 15:29:52 -0000
From: "Paul J Mackanos, Jr." <paul@prohomeinspector.net>
To: <qrp-l@Lehigh.EDU>
Subject: [164039] Red Hot 20 Finished
Message-ID: <PNEKINNJBMILABIMJBGAGEAACIAA.paul@prohomeinspector.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

 I have just finished my Red Hot 20, and it seems ready to go. I will be on
14.060 and calling CQ to check it out. Anyone want to give me a QSO and
check out how it sounds. I will be running about 5 watts to an indoor dipole
in the attic. (I am in a condo, no antenna's).
Thanks, Paul K2DB

Date: Mon, 29 Dec 2003 10:28:01 -0600
From: Gary Harrison <garyk0bc@alltel.net>
To: qrp-l@Lehigh.EDU
Subject: [164040] Eudora manual
Message-ID: <6.0.1.1.2.20031229102727.01c847d0@pop.alltel.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>
>>On Monday 29 December 2003 03:34 am, Chuck Adams wrote:
>> > I would have been doing this all along, but there are no manuals any more
>> > with software and the help files aren't that much help. Know
>> > what I mean kid?
>
>
>   I found a manual on line to support my version of Eudora Pro
> 6.0.1.1 at http://www.qualcomm.com/eudora

73,
Gary Harrison, K0BC
QCWA Board member (past President)
Ask me about our Scholarship program/fund
http://www.qcwa.org

Date: Mon, 29 Dec 2003 17:41:39 +0100
From: bert.matthies@t-online.de (Bert Matthies)
To: qrp-l@lehigh.edu
Subject: [164041] St. Louis Loop (SLL) Info?
Message-ID: <3FF05943.9020907@t-online.de>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

I am looking for information on the St. Louis Loop. Can anyone send me
detailed information on the theory of this antenna (bands, impedances).
Maybe someone has the original article in electronic form?

These facts are know to me: delta loop with 33' each side, feed with
300ohms feeder and 6:1 balun.

Thanks for your help and a happy new year to all

73/72, Bert

--
Bert Matthies, DL2HCB
mailto: dl2hcb@darc.de

MF#490 - AGCW-DL#1226 - QRP-ARCI#5368 - AK/QRP#469

Date: Mon, 29 Dec 2003 12:04:48 -0500
From: Peter Burbank <peterlee@qx.net>
To: qrp-l@lehigh.edu
Subject: [164042] Power Connectors
Message-ID: <5.2.0.9.0.20031229120113.00a44b50@mail.qx.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,
Can someone please post the O.D. and I.D. of the most common coaxial power connectors. I can't
seem to make any sense out of the RS catalog listings.
73
Pete NV4V

Date: Mon, 29 Dec 2003 10:07:18 -0700
From: "Rod N0RC" <rc7039-hr@yahoo.com>
To: "qrp-l" <qrp-l@Lehigh.EDU>
Subject: [164043] AZ paddles, best laquer?
Message-ID: <001301c3ce2e$5376add0$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

A good friend (and QRP-L member) arranged a very nice XMAS present, the AZ Paddle kit! Total surprise, very nice. The kit has not arrived yet, but I'm planning my finishing effort and collecting materials.

What lacquer works best on brass? (Best as in applies neatly, dries hard, lasts a long time...)

Dictionary.com defines lacquer As:

1. "Any of various clear or colored synthetic coatings made by dissolving nitrocellulose or other cellulose derivatives together with plasticizers and pigments in a mixture of volatile solvents and used to impart a high gloss to surfaces."

2. "A glossy, resinous material, such as the exudation of the lacquer tree, used as a surface coating."

and Webster offers:

"A varnish, consisting of a solution of shell-lac in alcohol, often colored with gamboge, saffron, or the like; -- used for varnishing metals, papier-mach['e], and wood. The name is also given to varnishes made of other ingredients, esp. the tough, solid varnish of the Japanese, with which ornamental objects are made."

A varnish!?!?!?!? Varnish is a tung-oil product, and no doubt there is a modern plastic based substitute. Not sure where Shellac comes from.

Can someone knowledgeable WRT metal finish make a specific product recommendation for which type and brand of lacquer product to use?

73, Rod N0RC ...sometimes a cigar IS NOT just a cigar...
Happy Holidays

Date: Mon, 29 Dec 2003 11:18:04 -0600
From: <k6whp@verizon.net>
To: <qrp-l@Lehigh.EDU>
Subject: [164044] Re: Tenna Dipper Question
Message-ID: <20031229171805.BKWD15642.out009.verizon.net@outgoing.verizon.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

To the respondents:

..I am wondering if, when building the TD, a meter were added/substituted for the LED indicator that the resulting dip might indicate the resonant frequency irrespective of the antenna impedance thus saving the effort of redoing the bridge circuit?

..wait, 300-ohms, well, perhaps not. But curious anyway.

72,

Bill, k6whp

Date: Mon, 29 Dec 2003 12:38:03 -0500
From: Kenneth Cooperstein <cprstn54@att.net>
To: qrp-l@Lehigh.EDU
Subject: [164045] BHI DSP module
Message-ID: <3FF0667B.9020209@att.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7BIT

I am trying to figure out if the BHI NEDSP1061 module can be used standalone between a headphone jack and headphones.

It is intended to be installed between the audio pre-amp and amp of a radio. See:
http://www.bhinstrumentation.co.uk/dspmanual.pdf

As stated in the pdf, the module has the following analog specs:

Supply voltage - typical: 9V
Supply current - typical: 45ma
Audio Input - typical: 300Vrms
Audio Output - max: 630Vrms

Can it be discerned from the above figures if there is enough power to drive headphones with, say, 50 ohms impedance?

Ken KC2JDY

Date: Mon, 29 Dec 2003 12:43:24 -0500
From: "sslyon" <sslyon@megalink.net>
To: <paul@prohomeinspector.net>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [164046] Re: Red Hot 20 Finished
Message-ID: <000e01c3ce33$426253a0$13c8e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've been hearing you at ESP levels, Paul, but we're too close
for 20m, I'm afraid. Working some nice EU DX tho :)
73
seab

Date: Mon, 29 Dec 2003 10:40:51 -0800
From: "Lyle Johnson" <wa7gxd@fidalgo.net>
To: <cprstn54@att.net>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [164047] RE: BHI DSP module
Message-ID: <NEBBKGGNGLGOHDJKFAPHCEOPFGAA.wa7gxd@fidalgo.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="us-ascii"
Content-Transfer-Encoding: 7bit

> Supply voltage - typical: 9V
> Supply current - typical: 45ma
> Audio Input - typical: 300Vrms
> Audio Output - max: 630Vrms

I think you mean millivolts, not volts :-)

> Can it be discerned from the above figures if there is enough power to
> drive headphones with, say, 50 ohms impedance?

The issue is the output impedance (source impedance) from the module. That
is not specified in your summary, but is the key, along with the sensitivity
of the headphones.

72,

Lyle KK7P

Date: Mon, 29 Dec 2003 12:43:55 -0600
From: Steve Yates <aa5tb@arrl.net>
To: qrp-l@Lehigh.EDU
Subject: [164048] Re: 160 Sunday nite?
Message-ID: <200312291243.56076.aa5tb@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain;
  charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Hi Seab,

I've been getting on 160m quite a bit lately. Last night (Sunday, Dec 28th local) I got on 1810 kHz and called CQ with 5 watts and had a station in Austin come back to me. He wasn't that far away and he started off at 100 watts but he said my signal was so good he would take his transmitter down to 2 watts. We still had a ragchew for over 1/2 and hour.

I seem to have a good QRP signal on 160m out to about 500 miles. After that it gets pretty rough. Best DX so far is Martinique at about 2587 miles. My antenna on 160m is a real compromise. I'm using an inverted-L that is resonant as a 1/4 wavelength antenna at about 4.5 MHz and fed with a SGC SG-237 autotuner at its base. I don't have any radials out yet so I'm just using a ground rod. Basically, my antenna is just a "leaky resistor" on 160m. My point is that I am still having good QSO's so if there is anyone out there that thinks that their antenna isn't good enough for 160m give it a try anyway if you can get it to load up. I'll bet that you'll be surprised.

If anyone is looking for an antenna for 160m that would fit into a city size lot you might want to consider an inverted-L. Even one that is less then half as big as it should be seems to work okay. Many years ago hams use to operate mobile on 160m with good success and you know that wasn't very efficient!

73,
Steve Yates - AA5TB
Fort Worth

http://www.qsl.net/aa5tb/

Date: Mon, 29 Dec 2003 12:46:07 -0600
From: Pat Cain <k0pc@mchsi.com>
To: qrp-l@lehigh.edu
Subject: [164049] FOX: Last Fox Hunt of the year
Message-ID: <5.1.1.6.0.20031229124308.02f03560@popd.ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"; format=flowed
Content-Transfer-Encoding: quoted-printable

Please join me for the final Fox Hunt of 2003.

I will be camping out somewhere above 7.040 for two hours Tuesday evening.=
=20
I hope you can stop by for a visit.

73,
Pat K=D8PC

Date: Mon, 29 Dec 2003 14:43:50 -0500
From: "George Heron N2APB" <n2apb@clearviewcatv.net>
To: "NJQRP" <njqrp@njqrp.org>, "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [164050] AmQRP News Brief
Message-ID: <001301c3ce44$19b7f4d0$6400a8c0@n2apb1>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Folks,

Hope everyone is having a happy and safe holiday season. Here's a brief
update on what's new & happening with the AmQRP Club activities.

1) HOMEBREWER Magazine -- Issue #2 is now sent to the printer and we expect
subscribers to receive their copies in the mail in about three weeks (the
week of January 19th is a good forecast, all things considered). I humbly
apologize for the delays - all sorts of reasons contributed - but we're
doing everything possible to get this issue out as soon as possible. Issue #
3 is currently in progress and it will be sent to the printer in January to
get us back on schedule. If you are a subscriber, thanks for your patience.
See the magazine's online location for the latest status and content
listings ... http://www.amqrp.org/homebrewer/homebrewer.html

2) Elmer 160 Course & PIC-EL Kit -- The course is in full motion as hosted by instructor John McDonough, WB8RCR. John is now up to Lesson 5, plus the most recently posted "appendix" to keep even the advanced students active over the holiday breaks. We're also on track with the "Pickle" kit (i.e., the PIC-EL eval board designed specifically for us QRPers learning about PIC microcontrollers) and the full production-quality boards are at the fab house right now. We have all parts collected and the kitting has already begun. As soon as the boards are received (estimated during the week of January 12th), we'll add the parts bag and the manual (on CD-ROM) and get it out to the 300-or-so of you who have ordered this neat project. The design team has been working with several cycles of the prototype boards and we are very pleased with how it's working and how easy it is to use in conjunction with Elmer 160 course material. See http://www.amqrp.org/elmer160/board/index.html for all the details on the "Pickle" Kit

3) New References Added -- A couple good additions were made to the Reference section of the AmQRP website (http://www.amqrp.org/reference/reference.html). Not visited there yet? You're in for a big pleasant surprise when you see all the useful tools available to us QRPers and homebrewers!

4) DDS Daughtercard Kits -- These neat NJQRP kits have been in hot demand because of its use with the coming PIC-EL Kit. We anticipated a spike in the demand and already have another run of 500 kits being made up. This latest run should start shipping again next week. See www.njqrp.org/dds for all the details.

5) Coming in early 2004 from the AmQRP ...
- The annual run of the NJQRP "Rainbow Tuner" Kit
- The Micro908 Antenna Analyzer Kit
- The "IQ-VFO" Kit by AA0ZZ
- Atlanticon QRP Forum (March 26-27 at the Holiday Inn Select, off Rt 83N in Timonium, MD)

72/73, George N2APB
for the AmQRP Club at www.amqrp.org

Date: Mon, 29 Dec 2003 15:23:19 -0500 (EST)
From: <igeq100@iupui.edu>
To: Rod N0RC <rc7039-hr@yahoo.com>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [164051] Re: AZ paddles, best laquer?
Message-ID: <Pine.GSO.3.96.1031229151846.9104K-100000@jade.iupui.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, Rod -

Here's the lacquer that I use on all of the keys, etc. that I make. It is #2105 Clear Lacquer, from G. J. Nicolas & Co. (web site at www.finish1.com). I get it from McMaster-Carr (www.mcmaster.com). Use their excellent search engine to find it. It is a bit pricy, but lasts for years and does not craze or peel or become dull - specially formulated to resist perspiration.
Hope this helps - usual disclaimers apply.

72,
Rich, WB9LPU

On Mon, 29 Dec 2003, Rod N0RC wrote:

> Folks,
>
> A good friend (and QRP-L member) arranged a very nice XMAS present, the
> AZ Paddle kit! Total surprise, very nice. The kit has not arrived yet,
> but I'm planning my finishing effort and collecting materials.
>
> What lacquer works best on brass? (Best as in applies neatly, dries
> hard, lasts a long time...)
>
> Dictionary.com defines lacquer As:
>
> 1. "Any of various clear or colored synthetic coatings made by
> dissolving nitrocellulose or other cellulose derivatives together with
> plasticizers and pigments in a mixture of volatile solvents and used to
> impart a high gloss to surfaces."
>
> 2. "A glossy, resinous material, such as the exudation of the lacquer
> tree, used as a surface coating."
>
> and Webster offers:
>
> "A varnish, consisting of a solution of shell-lac in alcohol, often
> colored with gamboge, saffron, or the like; -- used for varnishing
> metals, papier-mach['e], and wood. The name is also given to varnishes
> made of other ingredients, esp. the tough, solid varnish of the
> Japanese, with which ornamental objects are made."

>
>
> A varnish!?!?!?!? Varnish is a tung-oil product, and no doubt there is a
> modern plastic based substitute. Not sure where Shellac comes from.
>
> Can someone knowledgeable WRT metal finish make a specific product
> recommendation for which type and brand of lacquer product to use?
>
> 73, Rod N0RC   ...sometimes a cigar IS NOT just a cigar...
> **Happy Holidays**
>
>
>
>
>
>
>
>

Date: Mon, 29 Dec 2003 15:38:08 -0500
From: "Howard" <wa2afd@hotmail.com>
To: <qrp-l@Lehigh.Edu>
Subject: [164052] Re: Computer CW program
Message-ID: <Law9-OE28RU1q0K85CF00019b32@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

One program that will monitor your keying and do a super job of it is
CWPlayer, freeware from Gabe Riviat, F6DQM of France.

It is freeware and is a full blown CW tutor that works quite nicely and is
loaded with features. You can even make your own audio CD's for practice in
the car, for example.

Anyway, this will monitor for you.

You can find it at:

http://perso.club-internet.fr/f1orl/cwpeng.htm

It has a very good help file so if you read it you'll know how to use it as
a keying monitor.

And altho it was not meant to be used as an off the air monitor, I found it does a reasonable job of copying CW from strong, well sent signals such as code practice from W1AW.

Hope you find it helpful.

73 de WA2AFD

Date: Mon, 29 Dec 2003 16:42:07 -0500
From: "Brad Hedges" <bhedges@nc.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [164053] FT-817 or K1-4
Message-ID: <000701c3ce54$9ba40be0$e2c53942@nc.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If you could have one or the other of these which would you take? SSB is not that big a deal for me; I prefer CW. Power drain is also not as big a deal; I mostly operate portable rather than manpack. Cost is close enough not to matter too much.

Opinions?

Thanks,
Brad

Date: Mon, 29 Dec 2003 17:06:47 -0500 (Eastern Standard Time)
From: "Mike WA8BXN" <hubby2k@hotmail.com>
To: <qrp-l@Lehigh.EDU>, <bhedges@nc.rr.com>
Subject: [164054] Re: FT-817 or K1-4
Message-ID: <3FF0A577.00000C.03268@etower>
MIME-Version: 1.0
Content-Type: Text/Plain;
  charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

 K1 can have a built in antenna tuner, and I like its selectivity better for CW. Also has decent sized buttons and more of them. The 817 covers a lot more frequencies. I have both, mostly use a K-2 though! If this is going to be your only rig for quite a while the 817 does a wider range of things. The K1 probably does what it does better.

73/72 - Mike WA8BXN

Date: Mon, 29 Dec 2003 17:20:17 -0500
From: John Sielke <jsielke@pobox.com>
To: qrp-l@lehigh.edu
Subject: [164055] Day 2 MW Holiday Test
Message-ID: <200312291720.17220.jsielke@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain;
  charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Well, the mighty 50mw found AA1MY, VE1ALZ on 20M and NN1F on 40M, none of whom were in the contest, but since had brief ragchews with each, and got pwr, I guess they count.

Where do the Mw contesters hide?....probably under that pactor station on 14,064..or under the Canadian SSB. Sneaky, like foxes....

John W2AGN

Date: Mon, 29 Dec 2003 17:24:32 -0500
From: Frank Milos <no1e@comcast.net>
To: qrp-l@lehigh.edu
Subject: [164056] FS: QRP Publications
Message-ID: <3FF0A9A0.7080409@comcast.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

Attention collectors!

It's time for my library of qrp publications and ham radio books to find a new home.

For those new to QRP or wanting to expand their collection of publications, this is a great opportunity that doesn't come along too often!

All publications have been grouped by categories.

73/72 --- Frank, NO1E

Here is the list of publications that are for sale:

1. QRP Quarterly
   1988 April, July, October
   1989 - 2002 Complete
   Very good to excellent condition
   $200.00 ppd in CONUS

2. QRPp - Journal of the No. California QRP Club
   1994 - 2001
   Excellent condition
   $70.00 + shipping

3. 72 - Newsletter of the New England QRP Club
   Jan 1992 - Apr 1997
   Good condition
   $30.00 + shipping

4. The ARRL Antenna Compendium
   Volumes 1-4
   Excellent condition
   $45 + shipping

5. ARRL Antenna Handbook - copyright 1964
   HF Antennas for All Locations (1986) by L.A. Moxon G6XN
   Low Band DXing (1987) by John Devoldere
   All About Cubical Quads (2nd edition 1971) by William I. Orr
   Excellent condition except for ARRL Antenna Handbook (good)
   $45 + shipping

6. ARRL Handbooks
   1965
   1972
   1974
   1981
   1985
   All in good to very good condition
   Best Offer + shipping

7. ARRL - A Course in Radio Fundamentals by George Grammer - copyright 1960
   ARRL - Understanding Amateur Radio by George Grammer - copyright 1964

ARRL - The Radio Amateur's VHF Manual by Edward Tilton - copyright 1972
ARRL - FM and Repeaters for the Radio Amateur by ARRL Hqtrs Staff - copyright 1972
All in good to very good condition (first 2 books cover things that glow in the dark)
$20.00 + shipping

Date: Mon, 29 Dec 2003 16:36:18 -0600
From: "Mike Mullins" <mmullins_9999@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [164057] Need SM 5V regulator for dead FT-817
Message-ID: <BAY7-F8tCIq1eE3VsX700032346@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I hooked up my beloved FT-817 to my trusty old homebrew adjustable 35V power supply. I was fiddling with the power supply while I was listening to a QSO, and touched the variable pot which controls the voltage with the conductive case. In one second I could hear the smoke coming out of two electrolytics (an impressive poooffffff) and saw the LCD screen on the FT-817 go dark. Stupid on my part, I know. This power supply has current regulation, but that doesn't do much good when the pass transistor shorts, as I discovered during the post mortem. Why do these transistors always fail short instead of open? And, why doesn't Yaesu have a Zener diode and a fuse for the external supply? I had a resetable 3A fuse in front of my pass transistor which probably saved me from worse damage.

Anyway, I need to replace a surface mount 5V voltage regulator ("Q4013; S-81250SGUP-DQD" on the schematic). I think it is an SOT89 package, and I know it needs to pass ~150 mA. Unfortunately, the pin-out is a little strange, with the center pin being Vin, not GND like the ones I've been able to locate.

Any ideas on where to find such a part? Does anyone have a dead FT-817 for sale? The good part of this story is that now I am using my single-band radios again, which has been fun.

73 de Mike KD5CMN

_____
Take advantage of our limited-time introductory offer for dial-up Internet access. http://join.msn.com/?page=dept/dialup

---

Date: Mon, 29 Dec 2003 18:09:20 -0500
From: "Michael Bower N4NMR" <bowerm@ix.netcom.com>
To: "Qrp-L" <qrp-l@lehigh.edu>
Subject: [164058] FS: Atlanticon 2003 Proceedings
Message-ID: <ODEOIKLMAJFGCNMOGAGIGEFAEFAA.bowerm@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
	charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have an extra copy of the Atlanticon 2003 Proceedings that I don't need.
(Comes from having a wife who is a ham.)

$6.00 including shipping in the US. Cash, check, MO, PayPal
(bowerm@ix.netcom.com), first born (only if you are paying the college
bills).

If you want it, first person to respond, I'll hold it until you tell me how
you want to pay for it.

Michael Bower

FYI, stayed tuned. I have some extra QRP Quarterlies that I'll put up
later.

Michael N4NMR

Date: Mon, 29 Dec 2003 17:15:55 -0600
From: "Joe Spencer" <kk5na@kk5na.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [164059] Re: HAM Publications
Message-ID: <01c501c3ce61$b60f6e40$5901a8c0@SZ6X6SEFXO>
MIME-Version: 1.0
Content-Type: text/plain;
	charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

I have the following Used books For Sale for price listed(or perhaps

offered) plus shipping.

-Ionospheric Radio Propagation U.S. Dept of Commerce Nat'l Bureau of Standars Circular 462 Iss. June 25, 1948 Old
worn...cover faded $5

- The New Shortwave Propagation Handbook CQ Communications 1995 Sticker Residue on Cover(not sticky) $10

- ARRL Electronics Data book edited by Doug Demaw W1CER 1976 $4

- ARRL Understanding Amateur Radio Principles - Construction 1977 $4

- Sams Practical Transistor Servicing by Wm C. Caldwell 4th Edition 1963 (some surface scuffing) $4

- ARRL Your Packet Companion by Steve Ford WB8IMY 1995 (some writing inside and some Cover damage.) $3

-ARRL Your HF Digital Companion 1995 (some writing inside and some Cover damage.) $4

- Unique Electronic Weather Projects by Tom Fox 1978 some wear $4

- KANTRONICS KPC-9612 Reference Manual $4

- Instructions for Basic Radio Propagation Predictions - U.S. Dept of Commerce Aug 27, 1947 faded $2

- Radio Engineering Handbook by Henney 1933 - very worn cover and binding. $10

- Complete Guide to Electronic Test Equipment and Troubleshooting Techniques by John Douglas Young 1975 - Hardback
has Dustjacket...a bit worn $5

-101 Electronic Projects 1972 edition ...a bit worn $2

- ARRL Understanding Amateur Radio 1971 Very good condition for so-old of a copy slight wear. $5

- ARRL Hints and Kinks 1968 some wear some writing on cover $2

- Global Positioning System by the Institute of Navigation 1980 (some writing on cover) $6

- RF Circuit Design by Chris Bowick 1982 Sams (some wear on cover) $5

- ARRL First Steps On Radio by Doug Demaw W1FB 1985 $4

- ARRL "Radio License Manual 1964some cover wear $2

- ARRL Hints and Kinks Volume 3 - 1945 some wear on cover $4

72 Joe KK5NA

Date: Tue, 30 Dec 2003 00:21:34 +0100
From: "Sverre Holm" <svholm2@broadpark.no>
To: <qrp-l@Lehigh.EDU>
Subject: [164060] Balun core number system
Message-ID: <000001c3ce62$80647550$8e00a8c0@Master>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="us-ascii"
Content-Transfer-Encoding: 7bit

Are there anyone out there that can help to interpret the numbering
system for the double-hole balun cores, such as
BN43-303, BN43-202, BN43-3312, BN43-2402

I can understand the 43 to mean material type 43, but what is the
meaning of the rest of the designation?

--
73,
Sverre

Sverre Holm, LA3ZA
www.qsl.net/la3za

End of QRP-L Digest 3149
****